

# Apples

Apples are the major fruit in Washington. Two general groups are common descriptions of the type of apples--Red Delicious and all other varieties. The Red Delicious variety accounts for three-fourths of the apple acreage and 72% of the tree inventory January 1, 1986.

The distribution of Red Delicious apples by each fruit district and county is similar to the State, but shows variation. Chelan County's inventory of all apples indicate the highest percentage of Red Delicious of any county--81% of the acreage and 80% of the trees. Yakima and Okanogan Counties have the second and third ranking percentage of Red Delicious.

On the lower percentage Red Delicious ranking of counties, Kittitas County has just over half of the acreage and 29% of the apple tree inventory as Red Delicious. Other counties that have less than the State average percent Red Delicious are Walla Walla, Spokane, Franklin, Adams, Klickitat, Benton, and Grant Counties. Contributing factors for the lower percentage is a combination of smaller acreage and more diversity in new varieties being planted in recent years.

The distribution of Red Delicious by Fruit Reporting Districts shows the Wenatchee and Yakima Valley at the same ratio of Red Delicious at 77% of the acreage and 75% of the tree inventory. The Columbia Basin shows a slightly lower percentage with 70% of the acreage and 61% of the trees as Red Delicious. Other areas have 58% of the acreage and trees as Red Delicious.

## Apple Acreage and Trees Major Counties and Districts, Washington

Area	Acreage			Trees		
	Red Delicious	Other	Total	Red Delicious	Other	Total
County	Acres			1,000 Trees		
Adams	1,000	440	1,440	226.6	121.3	347.9
Benton	4,750	2,000	6,750	890.8	402.8	1,293.6
Chelan	17,620	4,030	21,650	2,697.4	686.8	3,384.2
Douglas	9,320	3,720	13,040	1,886.5	924.2	2,810.7
Franklin	3,050	1,430	4,480	645.9	383.1	1,029.0
Grant	12,460	5,200	17,660	2,734.5	1,801.8	4,536.3
Kittitas	485	480	965	141.4	338.0	479.4
Klickitat	250	110	360	35.9	16.1	52.0
Okanogan	20,340	6,050	26,390	3,377.0	995.1	4,372.1
Spokane	530	300	830	76.3	43.1	119.4
Walla Walla	1,670	1,500	3,170	363.8	366.9	730.7
Yakima	48,900	14,100	63,000	8,816.2	2,412.3	11,228.5
12 County Total	120,375	39,360	159,735	21,892.3	8,491.5	30,383.8
Fruit Reporting District						
Wenatchee	47,280	13,800	61,080	7,960.9	2,606.1	10,567.0
Yakima Valley	54,135	16,580	70,715	9,848.4	3,153.1	13,001.5
Columbia Basin	16,510	7,070	23,580	3,607.0	2,306.2	5,913.2
All Other Areas	3,250	2,355	5,605	615.7	505.4	1,121.1
State Total	121,175	39,805	160,980	22,032.0	8,570.8	30,602.8

# Washington

## All Apples

### Acreage, by Year Planted and Density

Apples are the major fruit crop in Washington and have been the major fruit crop since records were started in 1889. Improved varieties and changes in cultural practices have resulted in more trees per acre during recent years.

Survey data for apples was summarized in four tree density per acre categories instead of the traditional standard, dwarf, and semi-dwarf categories. Acreage with a spacing pattern of 20 x 20 (20 feet between trees and 20 feet between rows) has 109 trees per acre. A spacing pattern of 10 x 20 was classified as 218 trees per acre. Higher density patterns of double rows such as 5 x 5 x 15 (a double row of 5 feet between trees, 5 feet between rows, and 15 feet between double rows) has 435 trees per acre.

Of the current inventory of all apples, over half of the 161 thousand acres (54%) has been planted since 1973 and 62% of the 30.6 million inventory of trees. The peak year for both acreage and trees was 1980. Plantings during 1985 were about one-third of the peak 1980 level.

The trend of higher tree density during recent years is significant. The peak year for acreage in the 200-999 trees per acre categories was 1980. The less than 200 trees per acre and the 1,000+ group peaked in 1981. The tree inventory followed a similar pattern, but peaked in 1982 for the 1,000+ tree category.

The average trees per acre for apples in the State averaged 190 trees. Acreage planted prior to 1955 averaged 110 trees per acre, increased progressively through 1976, and averages over 200 trees per acre from 1977 through 1985. The year that had the highest density and only year that averaged over 300 trees per acre was 1984 at 320 trees.

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	5,590	555	*	-	6,145
1955-59	9,060	1,320	45	-	10,425
1960-64	10,240	2,375	165	-	12,780
1965-69	14,825	8,490	275	*	23,590
1970-73	12,710	8,350	250	5	21,315
1974	1,640	1,920	80	-	3,640
1975	2,580	2,855	145	-	5,580
1976	2,815	2,860	210	-	5,885
1977	1,450	2,330	60	40	3,880
1978	3,300	4,350	225	60	7,935
1979	4,120	6,230	375	145	10,870
1980	4,425	8,515	645	40	13,625
1981	4,805	5,560	630	215	11,210
1982	2,785	6,485	445	210	9,925
1983	1,730	4,245	275	-	6,250
1984	815	1,940	670	95	3,520
1985	795	3,100	490	20	4,405
Total	83,685	71,480	4,985	830	160,980

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	557.8	120.8	.3	-	678.9
1955-59	968.3	307.2	21.6	-	1,297.1
1960-64	1,246.5	521.0	78.3	-	1,845.8
1965-69	1,815.6	1,855.2	131.4	.3	3,802.5
1970-73	1,639.4	1,818.6	106.8	3.1	3,567.9
1974	211.7	425.3	37.5	-	674.5
1975	361.2	621.4	68.4	-	1,051.0
1976	393.5	637.2	107.2	-	1,137.9
1977	207.0	521.9	35.6	54.7	819.2
1978	482.6	958.3	106.2	80.3	1,627.4
1979	630.2	1,318.7	182.4	202.1	2,333.4
1980	696.5	1,923.8	352.4	50.0	3,022.7
1981	779.7	1,289.7	332.6	289.2	2,691.2
1982	442.8	1,504.2	231.1	294.7	2,472.8
1983	231.7	942.7	167.9	-	1,342.3
1984	118.8	452.8	417.3	137.0	1,125.9
1985	123.5	715.2	251.2	22.4	1,112.3
Total	10,906.8	15,934.0	2,628.2	1,133.8	30,602.8

# Washington

## Red Delicious

### Acreage, by Year Planted and Density

Apple acreage totaled 160,980 on January 1, 1986 in Washington. Red Delicious varieties accounted for three-fourths of the total at 121,175 acres. The inventory of apple trees from the Fruit Survey totaled 30,602,800 trees. Red Delicious varieties accounted for 75% of the acreage and 72% of the total trees.

The bulk of the acreage has a tree spacing of less than 200 trees per acre, 52% for Red Delicious and 51% for other varieties. In the combined tree density groups of 400+ trees per acre other varieties had a higher percentage of the acreage, 8%, while Red Delicious had only 2% of the total in these higher density groups.

The inventory of trees, however, show the bulk of the inventory in the 200-399 trees per acre classification, 55% of the Red Delicious and 44% of the Other Varieties. The combined inventory of Red Delicious trees in the 400+ trees per acre was 7% compared with 27% for Other Varieties.

Oregonspur was the dominate Red Delicious strain for both acreage and number of trees. Red Chief and Bisbee were the second and third ranking strains for both acreage and trees.

Golden Delicious was the leading variety other than the Red Delicious. Granny Smith were the third ranking variety at 8,220 acres and 3.1 million trees. The Grannies are a relatively new variety for Washington and had the highest tree count per acre at 358 trees. Also, about 96% of the Granny acreage has been planted during the past 10 years.

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	4,060	445	*	-	4,505
1955-59	6,020	1,010	20	-	7,050
1960-64	6,975	1,595	95	-	8,665
1965-69	10,945	5,890	140	-	16,975
1970-73	10,275	6,710	195	-	17,180
1974	1,440	1,525	70	-	3,035
1975	2,115	2,475	110	-	4,700
1976	2,185	2,360	165	-	4,710
1977	1,085	2,115	25	-	3,225
1978	2,780	3,810	165	-	6,755
1979	3,460	5,235	100	10	8,805
1980	3,725	6,805	415	15	10,960
1981	3,740	3,775	270	5	7,790
1982	2,395	5,005	300	25	7,725
1983	1,180	2,695	125	-	4,000
1984	655	1,330	375	*	2,360
1985	470	2,135	125	5	2,735
<b>Total</b>	<b>63,505</b>	<b>54,915</b>	<b>2,695</b>	<b>60</b>	<b>121,175</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	422.2	97.2	.1	-	519.5
1955-59	636.7	243.4	11.0	-	891.1
1960-64	856.4	346.4	44.2	-	1,247.0
1965-69	1,350.8	1,284.0	68.6	-	2,703.4
1970-73	1,338.2	1,461.6	79.9	-	2,879.7
1974	188.9	344.6	30.0	-	563.5
1975	299.4	540.6	52.1	-	892.1
1976	307.5	514.8	80.9	-	903.2
1977	155.4	471.0	13.2	-	639.6
1978	408.1	840.2	75.1	-	1,323.4
1979	531.5	1,113.1	38.1	17.8	1,700.5
1980	591.4	1,515.5	224.2	18.1	2,349.2
1981	600.6	833.4	128.7	4.2	1,566.9
1982	380.5	1,130.4	160.0	29.8	1,700.7
1983	166.1	651.2	76.1	-	893.4
1984	96.3	299.4	219.4	.1	615.2
1985	69.5	490.7	79.7	3.7	643.6
<b>Total</b>	<b>8,399.5</b>	<b>12,177.5</b>	<b>1,381.3</b>	<b>73.7</b>	<b>22,032.0</b>

## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	1,530	110	*	-	1,640
1955-59	3,040	310	25	-	3,375
1960-64	3,265	780	70	-	4,115
1965-69	3,880	2,600	135	*	6,615
1970-73	2,435	1,640	55	5	4,135
1974	200	395	10	-	605
1975	465	380	35	-	880
1976	630	500	45	-	1,175
1977	365	215	35	40	655
1978	520	540	60	60	1,180
1979	660	995	275	135	2,065
1980	700	1,710	230	25	2,665
1981	1,065	1,785	360	210	3,420
1982	390	1,480	145	185	2,200
1983	550	1,550	150	-	2,250
1984	160	610	295	95	1,160
1985	325	965	365	15	1,670
<b>Total</b>	<b>20,180</b>	<b>16,565</b>	<b>2,290</b>	<b>770</b>	<b>39,805</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	135.6	23.6	.2	-	159.4
1955-59	331.6	63.8	10.6	-	406.0
1960-64	390.1	174.6	34.1	-	598.8
1965-69	464.8	571.2	62.8	.3	1,099.1
1970-73	301.2	357.0	26.9	3.1	688.2
1974	22.8	80.7	7.5	-	111.0
1975	61.8	80.8	16.3	-	158.9
1976	86.0	122.4	26.3	-	234.7
1977	51.6	50.9	22.4	54.7	179.6
1978	74.5	118.1	31.1	80.3	304.0
1979	98.7	205.6	144.3	184.3	632.9
1980	105.1	408.3	128.2	31.9	673.5
1981	179.1	456.3	203.9	285.0	1,124.3
1982	62.3	373.8	71.1	264.9	772.1
1983	65.6	291.5	91.8	-	448.9
1984	22.5	153.4	197.9	136.9	510.7
1985	54.0	224.5	171.5	18.7	468.7
<b>Total</b>	<b>2,507.3</b>	<b>3,756.5</b>	<b>1,246.9</b>	<b>1,060.1</b>	<b>8,570.8</b>

## Washington

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	1,865	530,000
Atwood	1,740	364,600
Bisbee	15,720	2,683,100
Earlistripe	1,785	348,700
Hi-Early	3,735	477,700
Oregonspur	22,405	4,380,400
Redchief	16,680	3,571,400
Redspur	8,590	1,519,600
Ryan, Ryanred	3,775	688,000
Ryanspur	1,995	520,500
Starking	11,555	1,363,600
Topred	10,100	1,587,000
Wellspur	2,580	421,400
Other Strains	14,530	2,820,900
Unknown Strains	4,120	755,100
<b>Total Red Delicious</b>	<b>121,175</b>	<b>22,032,000</b>
<b>Golden Delicious</b>		
Golden Delicious	22,665	3,776,100
Granny Smith	8,220	3,130,900
Rome Beauty	3,815	721,500
Winesap	1,855	232,400
Other Varieties	2,495	503,400
Unknown Varieties	755	206,500
<b>Total Non-Red Delicious</b>	<b>39,805</b>	<b>8,570,800</b>
<b>All Apples</b>	<b>160,980</b>	<b>30,602,800</b>

## Apples, Minor Strains and Varieties

Major strains of Red Delicious and other apples were those strains or varieties that represented one percent of the State total. Data for the major strains and varieties are presented for county and district totals. Minor strains and varieties are those that represent less than one percent of the State total. Information for these minor strains and varieties are presented individually for the State total and grouped as other strains or varieties in the county and district tables.

Minor strains of Red Delicious apples accounted for 14,530 acres and 2.8 million trees. There were 23 separate strains that accounted for 10,690 acres and 2.0 million trees. Red King and Silver Spur were the two strains with the largest acreage. Chelan and Scarlet Spur were the third and fourth largest acreage.

The trees per acre for the minor Red Delicious strains averaged 194 trees per acre, slightly higher than the total Red Delicious average of 182 trees per acre. There were eight minor strains that averaged over 200 trees per acre with Scarlett Spur being the highest at 244 trees.

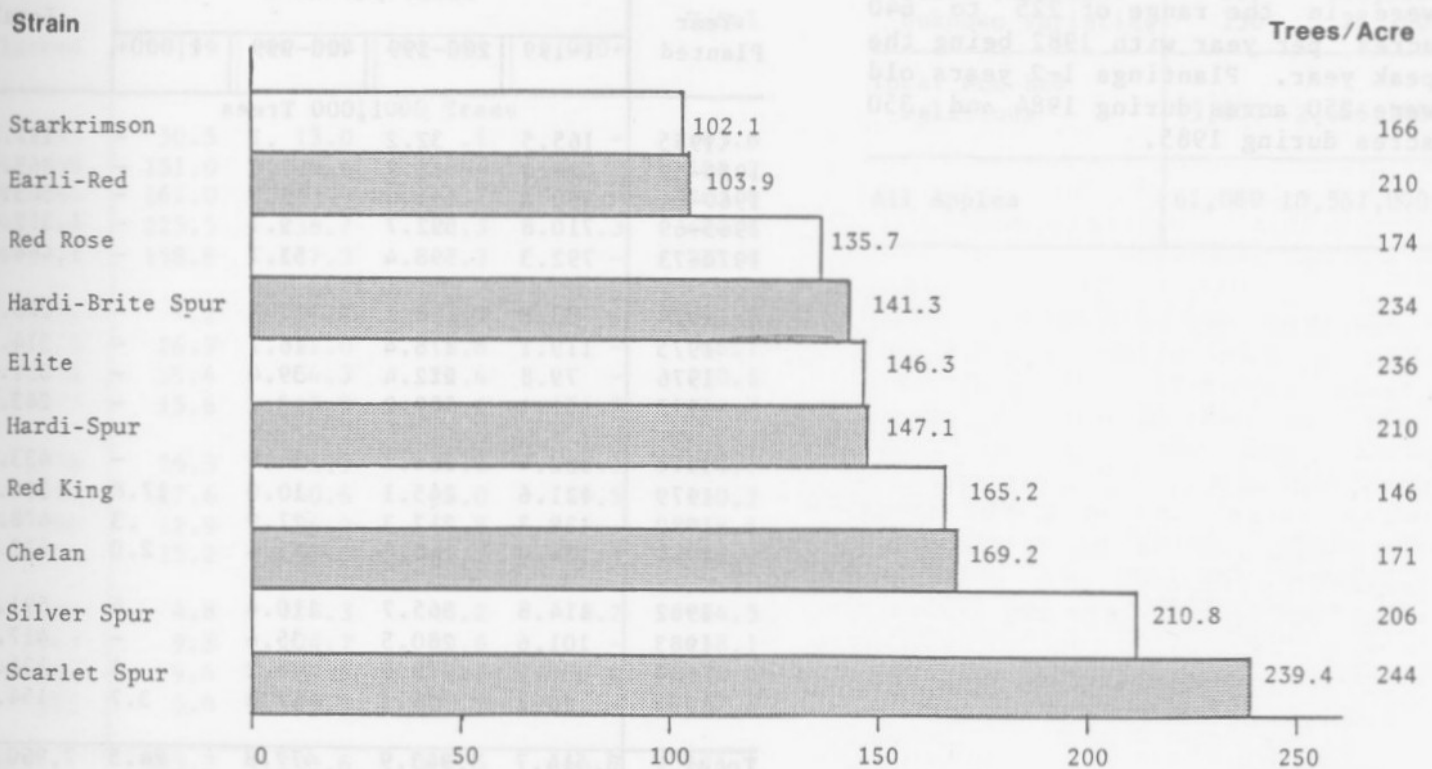
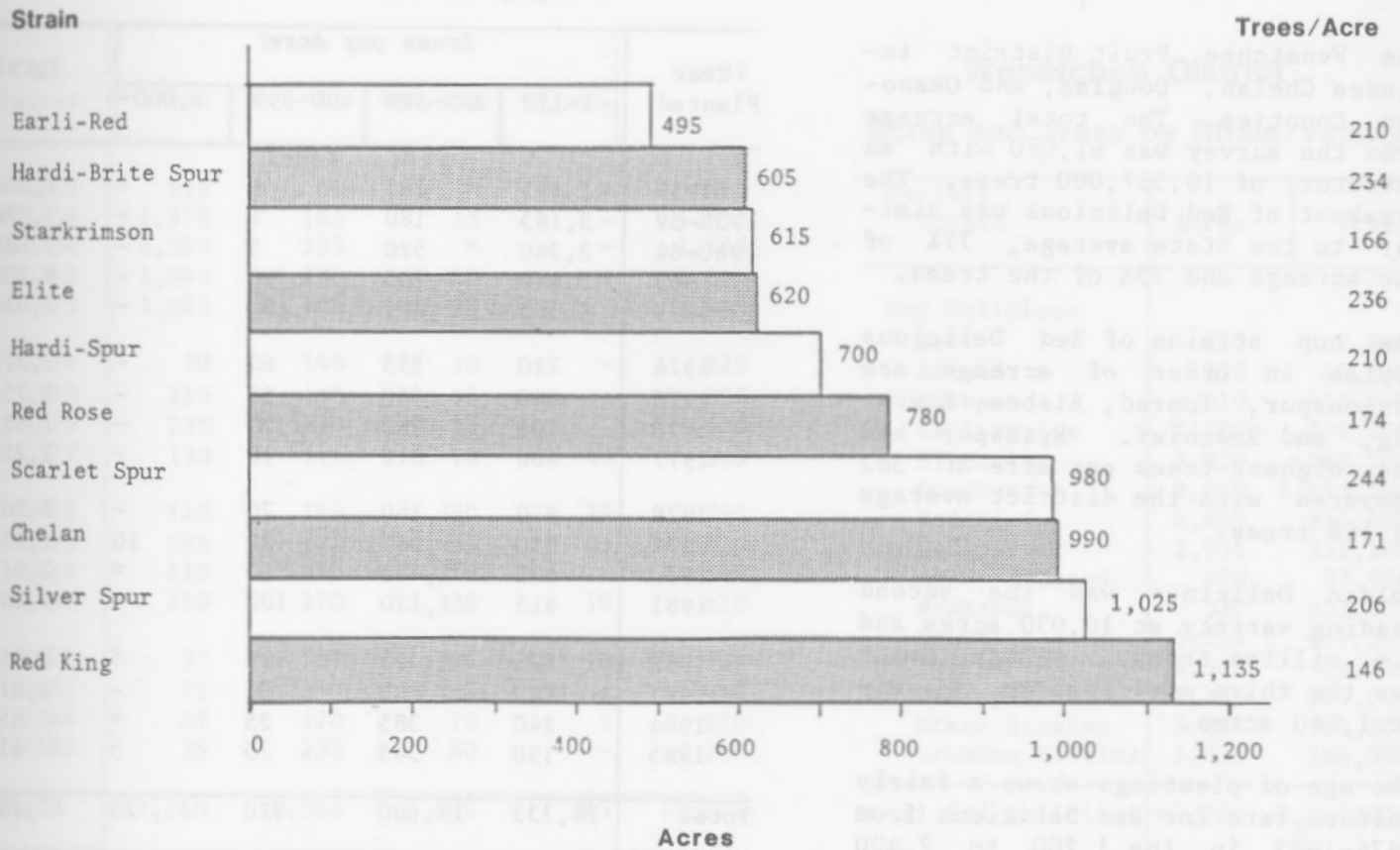
Other apple minor varieties accounted for 2,495 acres. Seventeen varieties accounted for 2,340 acres. An additional 6 varieties were reported, but the acreage was less than 2.5 acres for each variety with more than 100 trees. The combined 23 varieties accounted for 503,400 trees.

Jonathon, Criterion, and Newton were the three minor varieties with the largest acreage respectively. Gala and Jonagold are two new varieties that had 230 and 185 acres reported respectively. Gala and Jonagold both had a tree density per acre over 300--Gala at 315 and Jonagold at 319 trees per acre.

## Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees	Trees/ Acre
<b>Red Delicious:</b>			
Apex	155	24,900	161
August Red	30	4,700	157
Chelan	990	169,200	171
Classic	315	61,500	195
Double Red	25	5,300	212
Earli-Red	495	103,900	210
Elite	620	146,300	236
Hardi-Spur	700	147,100	210
Hardi-Brite Spur	605	141,300	234
Hi-Red	50	6,800	136
Houser	235	50,500	215
Imperial	390	58,500	150
Red King	1,135	165,200	146
Red Rose	780	135,700	174
Royal	215	31,500	147
Royal Red	280	38,500	138
Scarlet Spur	980	239,400	244
Sharp Red	365	55,300	152
Sharpred	395	74,600	189
Silver Spur	1,025	210,800	206
Shotwell	100	7,300	73
Starkrimson	615	102,100	166
Topspur	190	34,600	182
Other Strains	3,840	805,900	212
<b>Total Red Delicious</b>	<b>14,530</b>	<b>2,820,900</b>	<b>194</b>
<b>Other Varieties:</b>			
Akane	85	26,600	313
Chehalis	*	500	-
Cortland	*	400	-
Criterion	475	93,800	197
Discovery	10	1,300	130
Empire	10	2,300	230
Gala	230	72,500	315
Gravenstein	50	6,100	122
Grimes Golden	15	1,400	93
Idared	*	300	-
Jonagold	185	59,100	319
Jonathon	510	85,400	167
Lodi	*	300	-
Macoun	5	300	60
McIntosh	50	6,300	126
Melrose	10	4,000	400
Mutsu	*	400	-
Newton	345	37,000	107
Northern Spy	50	7,000	140
Paulared	*	200	-
Spartan	25	4,900	196
Tydemans Red	45	7,800	173
Winter Banana	240	49,800	208
Other Varieties	155	35,700	230
<b>Total Non-Delicious</b>	<b>2,495</b>	<b>503,400</b>	<b>202</b>

## Leading Minor Strains Red Delicious Apples



1,000 Trees

# Wenatchee District

## Red Delicious

### Acreage, by Year Planted and Density

The Wenatchee Fruit District includes Chelan, Douglas, and Okanogan Counties. The total acreage from the survey was 61,080 with an inventory of 10,567,000 trees. The breakout of Red Delicious was similar to the State average, 77% of the acreage and 75% of the trees.

The top strains of Red Delicious apples in order of acreage are Oregonspur, Topred, Bisbee, Starking, and Redchief. Ryanspur had the highest trees per acre at 382 compared with the district average of 168 trees.

Golden Delicious was the second leading variety at 10,030 acres and 1.6 million trees. Granny Smith was the third most popular variety at 1,840 acres.

The age of plantings shows a fairly uniform rate for Red Delicious from 1974-1983 in the 1,200 to 2,400 acreage range. Plantings 1-2 years old dropped to 650 and 615 acres respectively for 1984 and 1985. Other apple varieties for 1974-1983 were in the range of 225 to 640 acres per year with 1982 being the peak year. Plantings 1-2 years old were 250 acres during 1984 and 350 acres during 1985.

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	1,675	145	*	-	1,820
1955-59	3,185	180	5	-	3,370
1960-64	3,360	520	5	-	3,885
1965-69	5,910	2,785	10	-	8,705
1970-73	6,305	2,875	140	-	9,320
1974	720	535	60	-	1,315
1975	900	830	25	-	1,755
1976	605	960	70	-	1,635
1977	400	810	10	-	1,220
1978	970	1,160	70	-	2,200
1979	850	1,065	25	10	1,950
1980	935	1,420	60	*	2,415
1981	915	1,120	100	5	2,140
1982	815	1,405	190	5	2,415
1983	760	1,060	50	-	1,870
1984	240	385	25	*	650
1985	190	345	75	5	615
<b>Total</b>	<b>28,735</b>	<b>17,600</b>	<b>920</b>	<b>25</b>	<b>47,280</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	165.5	32.2	.1	-	197.8
1955-59	329.2	36.9	3.0	-	369.1
1960-64	390.4	111.0	2.3	-	503.7
1965-69	710.8	592.7	9.1	-	1,312.6
1970-73	792.3	598.4	53.7	-	1,444.4
1974	83.8	118.1	24.3	-	226.2
1975	119.1	178.4	16.7	-	314.2
1976	79.8	212.4	39.4	-	331.6
1977	51.1	189.2	3.1	-	243.4
1978	132.4	266.7	34.8	-	433.9
1979	121.6	245.1	10.0	17.8	394.5
1980	138.3	312.3	27.9	.3	478.8
1981	126.4	248.8	45.4	2.0	422.6
1982	114.8	365.7	110.4	.6	591.5
1983	101.6	280.5	35.6	-	417.7
1984	30.9	79.4	14.2	.1	124.6
1985	26.7	76.1	47.8	3.7	154.3
<b>Total</b>	<b>3,514.7</b>	<b>3,943.9</b>	<b>477.8</b>	<b>24.5</b>	<b>7,960.9</b>

## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	515	60	*	-	575
1955-59	1,375	145	15	-	1,535
1960-64	1,380	205	*	-	1,585
1965-69	1,845	1,130	45	*	3,020
1970-73	1,285	805	20	-	2,110
1974	70	145	10	-	225
1975	225	145	15	-	385
1976	255	230	35	-	520
1977	130	115	20	40	305
1978	115	195	60	25	395
1979	135	175	50	45	405
1980	110	370	110	-	590
1981	110	270	30	10	420
1982	35	525	70	10	640
1983	75	380	35	-	490
1984	65	170	10	5	250
1985	35	235	80	-	350
<b>Total</b>	<b>7,760</b>	<b>5,300</b>	<b>605</b>	<b>135</b>	<b>13,800</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	50.5	13.0	.1	-	63.6
1955-59	151.0	28.6	6.6	-	186.2
1960-64	161.0	43.9	.7	-	205.6
1965-69	225.5	238.7	20.3	.3	484.8
1970-73	158.8	167.3	7.3	-	333.4
1974	7.2	28.1	7.5	-	42.8
1975	26.9	31.0	8.8	-	66.7
1976	35.4	54.3	20.4	-	110.1
1977	15.6	28.8	15.6	54.7	114.7
1978	16.3	42.5	29.8	36.1	124.7
1979	17.6	40.6	23.0	49.5	130.7
1980	12.9	96.9	58.8	-	168.6
1981	15.2	58.0	14.8	11.7	99.7
1982	4.8	128.3	43.2	8.2	184.5
1983	9.8	104.7	23.6	-	138.1
1984	9.4	39.9	6.1	4.2	59.6
1985	5.4	59.0	27.9	-	92.3
<b>Total</b>	<b>923.3</b>	<b>1,203.6</b>	<b>314.5</b>	<b>164.7</b>	<b>2,606.1</b>

## Wenatchee District

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	615	162,200
Atwood	270	48,500
Bisbee	5,810	952,600
Earlistripe	1,385	259,700
Hi-Early	2,320	263,200
Oregonspur	9,080	1,693,500
Redchief	4,695	995,800
Redspur	2,955	511,100
Ryan, Ryanred	180	27,900
Ryanspur	530	202,300
Starking	5,255	611,300
Topred	6,565	941,500
Wellspur	1,335	200,000
Other Strains	5,230	924,800
Unknown Strains	1,055	166,500
<b>Total Red Delicious</b>	<b>47,280</b>	<b>7,960,900</b>
<b>Golden Delicious</b>		
Golden Delicious	10,030	1,596,300
Granny Smith	1,840	666,800
Rome Beauty	640	117,400
Winesap	535	62,600
Other Varieties	605	134,900
Unknown Varieties	150	28,100
<b>Total Non-Red Delicious</b>	<b>13,800</b>	<b>2,606,100</b>
<b>All Apples</b>	<b>61,080</b>	<b>10,567,000</b>



# Yakima Valley District

## Red Delicious

### Acreage, by Year Planted and Density

The Yakima Valley Fruit District is the largest apple area in the State with 70,715 acres and 13.0 million apple trees. The Yakima Valley includes Benton, Kittitas, and Yakima Counties. Red Delicious was the dominate variety of apples with 77% of the acreage and 75% of the trees.

The top strains of Red Delicious apples in order of acreage were Bisbee, Oregonspur, Redchief, and Starking. The top three strains each had over one million trees with Redchief as the leader with 1.6 million trees. Ryanspur had the highest trees per acre at 226 compared with the district average of 181 trees.

Golden Delicious was the second leading variety with 9,555 acres and 1.5 million trees. Rome Beauty was the third leading variety. Granny Smith averaged 390 trees per acre compared with 190 trees for the Other Apple District average.

The age of planting for Red Delicious shows more variation than other districts. The peak year was 1979 with 4,415 acres whereas other districts peaked in 1980. Red Delicious plantings in the Yakima Valley decreased during 1980 and 1981 to 3,780 and 2,730 acres respectively. Plantings increased to 3,255 acres in 1982.

Other apple age of plantings indicate a more uniform rate of increase from 1974 to the peak year 1979 at 965 acres. Plantings during 1980 were near this level with 960 acres, dropping to 710 acres in 1981 and up to 850 acres for 1982. Other apple plantings decreased for 1983 and 1984 but increased to 875 acres for 1985.

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	1,980	300	-	-	2,280
1955-59	2,560	795	10	-	3,365
1960-64	3,145	950	60	-	4,155
1965-69	4,385	2,765	110	-	7,260
1970-73	3,655	3,260	25	-	6,940
1974	600	685	10	-	1,295
1975	1,100	1,420	65	-	2,585
1976	1,315	1,220	70	-	2,605
1977	485	1,040	5	-	1,530
1978	1,420	2,095	90	-	3,605
1979	1,480	2,860	75	-	4,415
1980	1,370	2,330	65	15	3,780
1981	1,250	1,380	100	*	2,730
1982	950	2,175	110	20	3,255
1983	365	1,170	60	-	1,595
1984	375	620	45	-	1,040
1985	260	1,435	5	-	1,700
<b>Total</b>	<b>26,695</b>	<b>26,500</b>	<b>905</b>	<b>35</b>	<b>54,135</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	184.7	65.0	-	-	249.7
1955-59	277.9	198.4	4.8	-	481.1
1960-64	407.0	206.5	28.2	-	641.7
1965-69	543.4	618.0	50.4	-	1,211.8
1970-73	496.5	719.3	10.4	-	1,226.2
1974	85.8	154.5	5.7	-	246.0
1975	161.3	306.6	27.6	-	495.5
1976	190.4	260.0	32.0	-	482.4
1977	74.0	216.6	1.9	-	292.5
1978	212.0	455.2	37.0	-	704.2
1979	227.9	599.3	28.1	-	855.3
1980	201.0	527.3	32.3	17.8	778.4
1981	195.2	296.7	48.7	2.2	542.8
1982	157.3	462.5	49.6	29.2	698.6
1983	55.0	253.4	31.5	-	339.9
1984	60.2	132.9	29.0	-	222.1
1985	40.3	337.6	2.3	-	380.2
<b>Total</b>	<b>3,569.9</b>	<b>5,809.8</b>	<b>419.5</b>	<b>49.2</b>	<b>9,848.4</b>

## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	915	50	*	-	965
1955-59	1,580	135	5	-	1,720
1960-64	1,760	470	10	-	2,240
1965-69	1,715	1,160	60	-	2,935
1970-73	965	690	15	5	1,675
1974	130	205	-	-	335
1975	195	175	5	-	375
1976	250	185	10	-	445
1977	165	85	*	-	250
1978	235	310	*	-	545
1979	235	685	45	*	965
1980	270	650	15	25	960
1981	210	370	70	60	710
1982	90	620	5	135	850
1983	70	240	15	-	325
1984	70	285	55	-	410
1985	285	485	105	-	875
<b>Total</b>	<b>9,140</b>	<b>6,800</b>	<b>415</b>	<b>225</b>	<b>16,580</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	79.7	10.6	.1	-	90.4
1955-59	172.4	28.4	2.5	-	203.3
1960-64	212.7	102.7	7.0	-	322.4
1965-69	198.3	258.8	29.1	-	486.2
1970-73	117.0	157.0	8.6	3.1	285.7
1974	15.3	42.0	-	-	57.3
1975	26.3	34.6	3.2	-	64.1
1976	35.1	40.9	5.9	-	81.9
1977	24.5	18.9	.1	-	43.5
1978	29.9	68.8	.5	-	99.2
1979	35.6	136.2	23.6	2.1	197.5
1980	38.3	159.6	8.2	29.9	236.0
1981	32.6	77.5	27.8	81.0	218.9
1982	10.6	163.5	3.4	178.1	355.6
1983	11.3	55.2	8.9	-	75.4
1984	10.0	69.8	37.1	-	116.9
1985	47.9	115.4	55.5	-	218.8
<b>Total</b>	<b>1,097.5</b>	<b>1,539.9</b>	<b>221.5</b>	<b>294.2</b>	<b>3,153.1</b>

## Columbia Basin District

### Yakima Valley District

#### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
Red Delicious		
Ace	295	57,900
Atwood	1,135	231,900
Bisbee	7,805	1,344,800
Earlistripe	185	34,700
Hi-Early	1,245	187,700
Oregonspur	7,515	1,481,000
Redchief	7,650	1,620,200
Redspur	4,645	831,400
Ryan, Ryanred	2,810	516,300
Ryanspur	1,055	238,300
Starking	6,015	711,200
Topred	2,920	530,000
Wellspur	1,130	198,400
Other Strains	7,130	1,396,800
Unknown Strains	2,600	467,800
<b>Total Red Delicious</b>	<b>54,135</b>	<b>9,848,400</b>
Golden Delicious		
Golden Delicious	9,555	1,530,000
Granny Smith	1,535	598,700
Rome Beauty	2,355	442,200
Winesap	1,225	152,300
Other Varieties	1,335	257,900
Unknown Varieties	575	172,000
<b>Total Non-Red Delicious</b>	<b>16,580</b>	<b>3,153,100</b>
<b>All Apples</b>	<b>70,715</b>	<b>13,001,500</b>

## Columbia Basin District

The Columbia Basin Fruit District is the youngest apple area and includes Adams, Grant, and Franklin Counties. The total apple acreage is 23,580 acres with 5.9 million trees. Red Delicious is still the dominate variety, but is below the State average for both acres and trees. The Columbia Basin has 70% of the acreage and 61% of the apple trees as Red Delicious.

The top strains of Red Delicious were Oregonspur, Redchief, and Bisbee respectively for acreage and trees. Oregonspur was the only strain with more than one million trees and totaled just over 1.1 million trees. Ace Strain had the highest trees per acre at 341 trees compared with the district average of 218.

Granny Smith was the second leading variety with 3,575 acres and 1.6 million trees. Golden Delicious was the third ranking variety with 2,565 acres and 565,000 trees. The Granny tree density was 434 trees per acre compared with the 218 for Red Delicious and 321 for the district other apple average.

The age of plantings is reflective of the Basin developing as an apple area. Three-fourths of the Red Delicious and 80% of the other varieties were planted in 1978 or later. The peak year for Red Delicious was 1980 at 3,685 acres. Planting of Red Delicious apples during 1983 through 1985 were significantly less and in the 410 to 630 acre range. Other apple variety plantings peaked in 1981 at 1,590 acres. Plantings during 1983 were also high at 1,110 acres but have slowed to 445 and 300 acres respectively for the last two years.

The Columbia Basin is also significant when the tree density groupings are reviewed. Over half of the State's acreage and trees in the 1,000+ trees per acre group are in the Columbia Basin.

## Red Delicious

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	330	-	-	-	330
1955-59	235	35	5	-	275
1960-64	265	125	30	-	420
1965-69	495	330	20	-	845
1970-73	230	545	30	-	805
1974	100	305	-	-	405
1975	60	225	20	-	305
1976	190	180	25	-	395
1977	55	265	10	-	330
1978	160	530	5	-	695
1979	905	1,250	-	-	2,155
1980	1,215	2,180	290	-	3,685
1981	1,555	885	70	-	2,510
1982	425	1,395	-	-	1,820
1983	50	430	15	-	495
1984	30	300	300	-	630
1985	15	350	45	-	410
Total	6,315	9,330	865	0	16,510

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	66.3	-	-	-	66.3
1955-59	26.1	8.1	3.2	-	37.4
1960-64	36.2	28.9	13.7	-	78.8
1965-69	75.3	70.2	9.1	-	154.6
1970-73	36.1	138.3	15.8	-	190.2
1974	16.6	71.5	-	-	88.1
1975	10.9	55.6	7.8	-	74.3
1976	28.8	41.9	9.5	-	80.2
1977	7.3	65.2	8.2	-	80.7
1978	24.6	112.3	3.3	-	140.2
1979	144.7	257.2	-	-	401.9
1980	221.5	456.6	164.0	-	842.1
1981	275.6	197.5	34.6	-	507.7
1982	76.5	295.1	-	-	371.6
1983	8.9	109.9	9.0	-	127.8
1984	4.4	80.2	173.2	-	257.8
1985	1.9	75.8	29.6	-	107.3
Total	1,061.7	2,064.3	481.0	0	3,607.0

## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	*	-	-	-	*
1955-59	55	30	5	-	90
1960-64	65	105	60	-	230
1965-69	165	285	30	-	480
1970-73	105	130	20	-	255
1974	-	45	-	-	45
1975	15	60	-	-	75
1976	100	85	-	-	185
1977	*	15	15	-	30
1978	75	35	*	35	145
1979	280	130	170	90	670
1980	265	590	100	*	955
1981	730	460	260	140	1,590
1982	255	115	55	40	465
1983	395	615	100	-	1,110
1984	25	140	190	90	445
1985	-	115	170	15	300
<b>Total</b>	<b>2,530</b>	<b>2,955</b>	<b>1,175</b>	<b>410</b>	<b>7,070</b>

\* Less than 5 acres

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	*	-	-	-	*
1955-59	5.6	6.8	1.5	-	13.9
1960-64	10.2	28.0	26.4	-	64.6
1965-69	25.9	68.5	13.4	-	107.8
1970-73	14.5	30.1	11.0	-	55.6
1974	-	10.6	-	-	10.6
1975	2.8	15.2	-	-	18.0
1976	12.1	27.2	-	-	39.3
1977	.3	3.2	6.7	-	10.2
1978	11.7	6.7	.8	44.2	63.4
1979	44.8	27.4	93.1	132.7	298.0
1980	47.6	128.2	57.7	2.0	235.5
1981	129.5	138.2	160.8	192.3	620.8
1982	45.8	28.5	18.0	78.6	170.9
1983	43.8	52.2	59.3	-	155.3
1984	2.8	39.1	136.3	132.7	310.9
1985	-	29.1	83.6	18.7	131.4
<b>Total</b>	<b>397.4</b>	<b>639.0</b>	<b>668.6</b>	<b>601.2</b>	<b>2,306.2</b>

\* Less than 100 trees.

Washington Fruit Survey, 1986

## Columbia Basin District

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	865	294,900
Atwood	330	82,800
Bisbee	1,845	352,900
Earlistripe	205	52,400
Hi-Early	140	22,500
Oregonspur	5,305	1,119,000
Redchief	3,720	803,100
Redspur	640	125,700
Ryan, Ryanred	540	100,100
Ryanspur	405	79,300
Starking	215	33,600
Topred	510	95,100
Wellspur	95	20,800
Other Strains	1,410	336,000
Unknown Strains	285	88,800
<b>Total Red Delicious</b>	<b>16,510</b>	<b>3,607,000</b>
<b>Golden Delicious</b>	<b>2,565</b>	<b>565,000</b>
<b>Granny Smith</b>	<b>3,575</b>	<b>1,551,300</b>
<b>Rome Beauty</b>	<b>570</b>	<b>121,700</b>
<b>Winesap</b>	<b>90</b>	<b>17,100</b>
<b>Other Varieties</b>	<b>270</b>	<b>51,100</b>
<b>Unknown Varieties</b>	<b>-</b>	<b>-</b>
<b>Total Non-Red Delicious</b>	<b>7,070</b>	<b>2,306,200</b>
<b>All Apples</b>	<b>23,580</b>	<b>5,913,200</b>

## Other Areas (FRD 1, 2, 6, and 7)

Other Areas includes Fruit Reporting Districts 1, 2, 6, and 7 or all areas not included in the Wenatchee, Yakima Valley, and Columbia Basin. Major counties in the Other Area include Klickitat, Spokane, and Walla Walla Counties. The apple acreage in the Other Areas is 5,605 acres with 1.1 million trees. The combined totals for Klickitat, Spokane, and Walla Walla Counties are 4,360 acres and 902,100 trees. Red Delicious apples are still the dominate variety with 58% of the acreage and trees.

Leading strains of Red Delicious apples for the Other Areas were Redchief, Oregonspur, Bisbee and Ryan. Redchief averaged 248 trees per acre compared with the area average of 189 trees for Red Delicious. Granny Smith was the second leading variety with 1,270 acres and 314,100 trees. Grannys averaged 247 trees per acre. Other varieties for the Other Areas averaged 215 trees per acre.

The age of plantings for the Other Areas shows a similar pattern as other fruit districts, 1980 was the peak year for Red Delicious and 1981 was the peak for other varieties. The age of plantings also show a similar pattern as the Columbia Basin by having 72% of the acreage and 74% of the trees being planted in 1978 or later.

## Red Delicious

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	75	-	-	-	75
1955-59	40	-	-	-	40
1960-64	205	-	-	-	205
1965-69	155	10	-	-	165
1970-73	85	30	-	-	115
1974	20	*	-	-	20
1975	55	-	-	-	55
1976	75	*	-	-	75
1977	145	-	-	-	145
1978	230	25	-	-	255
1979	225	60	-	-	285
1980	205	875	-	-	1,080
1981	20	390	-	-	410
1982	205	30	*	-	235
1983	5	35	-	-	40
1984	10	25	5	-	40
1985	5	5	-	-	10
<b>Total</b>	<b>1,760</b>	<b>1,485</b>	<b>5</b>	<b>0</b>	<b>3,250</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees Per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	5.7	-	-	-	5.7
1955-59	3.5	-	-	-	3.5
1960-64	22.8	-	-	-	22.8
1965-69	21.3	3.1	-	-	24.4
1970-73	13.3	5.6	-	-	18.9
1974	2.7	.5	-	-	3.2
1975	8.1	-	-	-	8.1
1976	8.5	.5	-	-	9.0
1977	23.0	-	-	-	23.0
1978	39.1	6.0	-	-	45.1
1979	37.3	11.5	-	-	48.8
1980	30.6	219.3	-	-	249.9
1981	3.4	90.4	-	-	93.8
1982	31.9	7.1	*	-	39.0
1983	.6	7.4	-	-	8.0
1984	.8	6.9	3.0	-	10.7
1985	.6	1.2	-	-	1.8
<b>Total</b>	<b>253.2</b>	<b>359.5</b>	<b>3.0</b>	<b>0</b>	<b>615.7</b>

\* Less than 100 trees.

## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	100	-	-	-	100
1955-59	30	-	-	-	30
1960-64	60	-	-	-	60
1965-69	155	25	-	-	180
1970-73	80	15	-	-	95
1974	*	-	-	-	*
1975	30	-	15	-	45
1976	25	-	-	-	25
1977	70	-	-	-	70
1978	95	*	*	-	95
1979	10	5	10	-	25
1980	55	100	5	-	160
1981	15	685	*	-	700
1982	10	220	15	-	245
1983	10	315	-	-	325
1984	*	15	40	-	55
1985	5	130	10	-	145
<b>Total</b>	<b>750</b>	<b>1,510</b>	<b>95</b>	<b>0</b>	<b>2,355</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	5.4	-	-	-	5.4
1955-59	2.6	-	-	-	2.6
1960-64	6.2	-	-	-	6.2
1965-69	15.1	5.2	-	-	20.3
1970-73	10.9	2.6	-	-	13.5
1974	.3	-	-	-	.3
1975	5.8	-	4.3	-	10.1
1976	3.4	-	-	-	3.4
1977	11.2	-	-	-	11.2
1978	16.6	.1	*	-	16.7
1979	.7	1.4	4.6	-	6.7
1980	6.3	23.6	3.5	-	33.4
1981	1.8	182.6	.5	-	184.9
1982	1.1	53.5	6.5	-	61.1
1983	.7	79.4	-	-	80.1
1984	.3	4.6	18.4	-	23.3
1985	.7	21	4.5	-	26.2
<b>Total</b>	<b>89.1</b>	<b>374.0</b>	<b>42.3</b>	<b>0</b>	<b>505.4</b>

\* Less than 100 trees.

Washington Fruit Survey, 1986

## Other Areas (FRD 1, 2, 6, and 7)

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	90	15,000
Atwood	5	1,400
Bisbee	260	32,800
Earlistripe	10	1,900
Hi-Early	30	4,300
Oregonspur	505	86,900
Redchief	615	152,300
Redspur	350	51,400
Ryan, Ryanred	245	43,700
Ryanspur	5	600
Starking	70	7,500
Topred	105	20,400
Wellspur	20	2,200
Other Strains	760	163,300
Unkown Strains	180	32,000
<b>Total Red Delicious</b>	<b>3,250</b>	<b>615,700</b>
<b>Golden Delicious</b>	<b>515</b>	<b>84,800</b>
<b>Granny Smith</b>	<b>1,270</b>	<b>314,100</b>
<b>Rome Beauty</b>	<b>250</b>	<b>40,200</b>
<b>Winesap</b>	<b>5</b>	<b>400</b>
<b>Other Varieties</b>	<b>285</b>	<b>59,500</b>
<b>Known Varieties</b>	<b>30</b>	<b>6,400</b>
<b>Total Non-Red Delicious</b>	<b>2,355</b>	<b>505,400</b>
<b>All Apples</b>	<b>5,605</b>	<b>1,121,100</b>

# Adams County

## Red Delicious

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	-	-	-	-	0
1955-59	-	-	-	-	0
1960-64	5	55	-	-	60
1965-69	10	-	-	-	10
1970-73	-	5	-	-	5
1974	-	-	-	-	0
1975	-	-	-	-	0
1976	10	25	-	-	35
1977	5	-	-	-	5
1978	-	45	-	-	45
1979	60	95	-	-	155
1980	90	45	-	-	135
1981	95	130	5	-	230
1982	35	85	-	-	120
1983	-	5	-	-	5
1984	10	150	-	-	160
1985	-	35	-	-	35
<b>Total</b>	<b>320</b>	<b>675</b>	<b>5</b>	<b>0</b>	<b>1,000</b>



### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	-	-	-	-	0
1955-59	-	-	-	-	0
1960-64	.6	10.2	-	-	10.8
1965-69	2.2	-	-	-	2.2
1970-73	-	1.7	-	-	1.7
1974	-	-	-	-	0
1975	-	-	-	-	0
1976	1.4	6.5	-	-	7.9
1977	.6	-	-	-	.6
1978	-	10.3	-	-	10.3
1979	8.9	20.2	-	-	29.1
1980	15.4	9.7	-	-	25.1
1981	17.6	39.0	1.1	-	57.7
1982	6.2	17.8	-	-	24.0
1983	-	1.6	-	-	1.6
1984	1.3	45.7	-	-	47.0
1985	-	8.6	-	-	8.6
<b>Total</b>	<b>54.2</b>	<b>171.3</b>	<b>1.1</b>	<b>0</b>	<b>226.6</b>

## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	-	-	-	-	0
1955-59	-	-	-	-	0
1960-64	5	25	-	-	30
1965-69	10	-	-	-	10
1970-73	-	10	-	-	10
1974	-	-	-	-	0
1975	-	-	-	-	0
1976	5	10	-	-	15
1977	*	-	-	-	*
1978	10	-	-	-	10
1979	20	*	-	-	20
1980	-	35	-	*	35
1981	*	65	60	-	125
1982	-	-	50	-	50
1983	5	-	-	-	5
1984	10	95	-	-	105
1985	-	25	-	-	25
<b>Total</b>	<b>65</b>	<b>265</b>	<b>110</b>	<b>*</b>	<b>440</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	-	-	-	-	0
1955-59	-	-	-	-	0
1960-64	.6	4.4	-	-	5.0
1965-69	1.7	-	-	-	1.7
1970-73	-	2.4	-	-	2.4
1974	-	-	-	-	0
1975	-	-	-	-	0
1976	.6	2.4	-	-	3.0
1977	.3	-	-	-	.3
1978	1.6	-	-	-	1.6
1979	2.9	.3	-	-	3.2
1980	-	6.6	-	2.0	8.6
1981	.4	20.3	21.4	-	42.1
1982	-	-	16.1	-	16
1983	.9	-	-	-	.9
1984	1.3	28.1	-	-	29.4
1985	-	7.0	-	-	7.0
<b>Total</b>	<b>10.3</b>	<b>71.5</b>	<b>37.5</b>	<b>2.0</b>	<b>121.3</b>

## Adams County

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	30	7,400
Atwood	155	48,600
Bisbee	105	22,800
Earlistripe	-	-
Hi-Early	-	-
Oregonspur	200	40,500
Redchief	160	29,400
Redspur	60	11,100
Ryan, Ryanred	-	-
Ryanspur	-	-
Starking	-	-
Topred	25	6,800
Wellspur	-	-
Other Strains	210	49,800
Unknown Strains	55	10,200
<b>Total Red Delicious</b>	<b>1,000</b>	<b>226,600</b>
<b>Golden Delicious</b>	160	31,800
<b>Granny Smith</b>	265	85,100
<b>Rome Beauty</b>	15	4,100
<b>Winesap</b>	*	300
<b>Other Varieties</b>	-	-
<b>Unknown Varieties</b>	-	-
<b>Total Non-Red Delicious</b>	<b>440</b>	<b>121,300</b>
<b>All Apples</b>	<b>1,440</b>	<b>347,900</b>

\* Less than 5 acres.



# Benton County

## Red Delicious

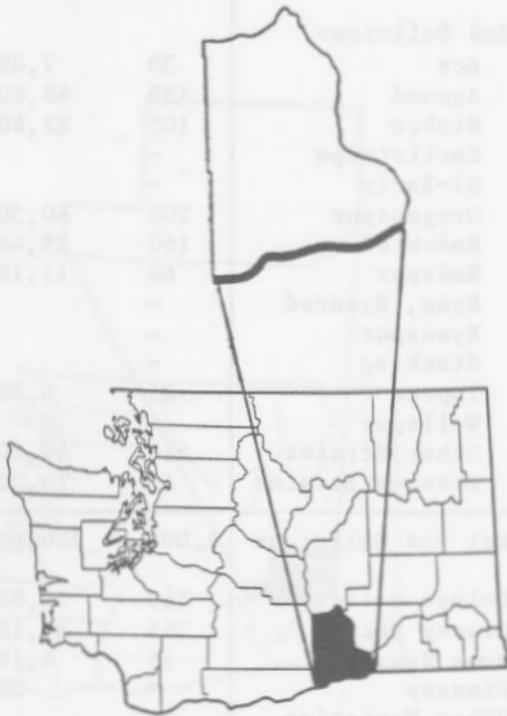
### Acres, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	45	10	-	-	55
1955-59	55	*	*	-	55
1960-64	320	105	20	-	445
1965-69	375	255	-	-	630
1970-73	160	560	-	-	720
1974	70	5	10	-	85
1975	105	45	-	-	150
1976	145	20	-	-	165
1977	45	30	-	-	75
1978	215	80	-	-	295
1979	190	290	-	-	480
1980	330	105	-	-	435
1981	210	125	-	-	335
1982	5	235	-	-	240
1983	20	340	-	-	360
1984	20	35	-	-	55
1985	20	150	-	-	170
<b>Total</b>	<b>2,330</b>	<b>2,390</b>	<b>30</b>	<b>0</b>	<b>4,750</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	3.2	3.4	-	-	6.6
1955-59	6.2	.5	.6	-	7.3
1960-64	41.2	22.3	8.9	-	72.4
1965-69	46.7	57.7	-	-	104.4
1970-73	23.1	126.3	-	-	149.4
1974	11.6	.9	5.2	-	17.7
1975	17.2	10.1	-	-	27.3
1976	23.3	4.9	-	-	28.2
1977	5.5	7.5	-	-	13.0
1978	32.2	19.7	-	-	51.9
1979	27.8	65.2	-	-	93.0
1980	49.9	24.1	-	-	74.0
1981	31.0	21.6	-	-	52.6
1982	.4	59.7	-	-	60.1
1983	3.2	74.9	-	-	78.1
1984	3.1	9.7	-	-	12.8
1985	3.0	39.0	-	-	42.0
<b>Total</b>	<b>328.6</b>	<b>547.5</b>	<b>14.7</b>	<b>0</b>	<b>890.8</b>



## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
Acres					
<1955	35	-	-	-	35
1955-59	75	-	*	-	75
1960-64	200	95	*	-	295
1965-69	100	285	20	-	405
1970-73	25	160	5	-	190
1974	10	5	-	-	15
1975	5	20	-	-	25
1976	80	5	-	-	85
1977	55	5	-	-	60
1978	45	20	-	-	65
1979	40	35	45	-	120
1980	30	90	-	-	120
1981	85	90	-	-	175
1982	-	30	-	-	30
1983	15	15	-	-	30
1984	15	85	*	-	100
1985	25	135	15	-	175
<b>Total</b>	<b>840</b>	<b>1,075</b>	<b>85</b>	<b>0</b>	<b>2,000</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
1,000 Trees					
<1955	3.0	-	-	-	3.0
1955-59	6.3	-	.6	-	6.9
1960-64	25.4	21.2	1.0	-	47.6
1965-69	14.3	65.2	8.5	-	88.0
1970-73	2.8	36.7	3.2	-	42.7
1974	1.6	.9	-	-	2.5
1975	.9	5.3	-	-	6.2
1976	11.4	.7	-	-	12.1
1977	7.4	1.7	-	-	9.1
1978	6.9	4.8	-	-	11.7
1979	6.7	7.2	22.8	-	36.7
1980	4.2	22.0	-	-	26.2
1981	13.3	16.7	-	-	30.0
1982	-	7.8	-	-	7.8
1983	2.6	5.4	-	-	8.0
1984	2.3	19.5	1.0	-	22.8
1985	3.8	29.5	8.2	-	41.5
<b>Total</b>	<b>112.9</b>	<b>244.6</b>	<b>45.3</b>	<b>0</b>	<b>402.8</b>

## Benton County

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	70	12,200
Atwood	-	-
Bisbee	825	135,900
Earlistripe	15	2,200
Hi-Early	95	21,800
Oregonspur	425	78,900
Redchief	1,100	214,600
Redspur	75	13,800
Ryan, Ryanred	425	75,500
Ryanspur	495	115,200
Starking	105	10,700
Topred	325	64,700
Wellspur	55	9,500
Other Strains	690	125,000
Unknown Strains	50	10,800
<b>Total Red Delicious</b>	<b>4,750</b>	<b>890,800</b>
<b>Golden Delicious</b>	<b>1,070</b>	<b>205,000</b>
Granny Smith	265	72,500
Rome Beauty	255	48,600
Winesap	115	17,100
Other Varieties	295	59,400
Unknown Varieties	*	200
<b>Total Non-Red Delicious</b>	<b>2,000</b>	<b>402,800</b>
<b>All Apples</b>	<b>6,750</b>	<b>1,293,600</b>

\* Less than 5 acres.

# Chelan County

## Red Delicious

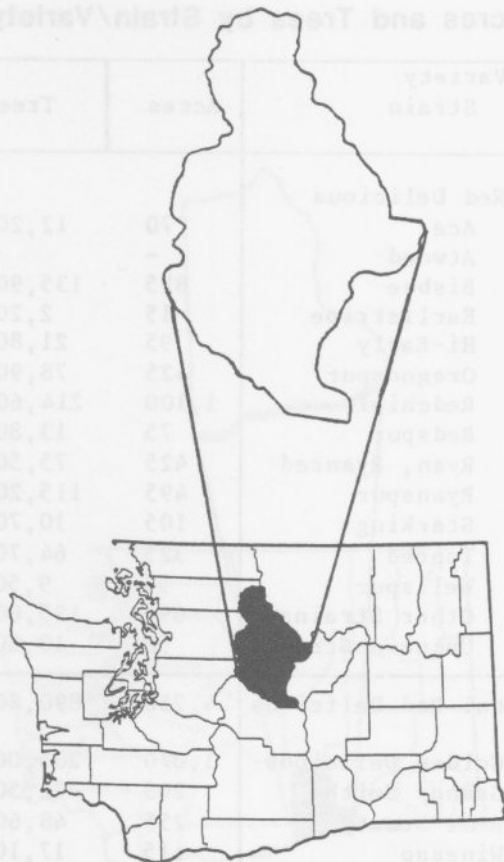
### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	815	50	*	-	865
1955-59	1,270	105	-	-	1,375
1960-64	1,280	235	-	-	1,515
1965-69	2,655	910	*	-	3,565
1970-73	2,750	1,005	40	-	3,795
1974	320	160	15	-	495
1975	430	240	-	-	670
1976	285	460	15	-	760
1977	160	160	-	-	320
1978	405	480	30	-	915
1979	250	465	*	-	715
1980	370	405	5	*	780
1981	220	220	*	5	445
1982	405	235	10	5	655
1983	145	170	5	-	320
1984	90	105	10	*	205
1985	105	110	5	5	225
<b>Total</b>	<b>11,955</b>	<b>5,515</b>	<b>135</b>	<b>15</b>	<b>17,620</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	85.2	11.4	.1	-	96.7
1955-59	133.7	20.9	-	-	154.6
1960-64	146.9	48.2	-	-	195.1
1965-69	318.9	195.2	.8	-	514.9
1970-73	341.6	207.8	15.3	-	564.7
1974	36.6	33.4	4.5	-	74.5
1975	57.2	54.3	-	-	111.5
1976	37.4	100.0	12.4	-	149.8
1977	22.3	35.4	-	-	57.7
1978	55.2	104.5	13.0	-	172.7
1979	37.3	102.9	.1	-	140.3
1980	54.3	85.0	3.4	.3	143.0
1981	28.2	47.8	.1	1.8	77.9
1982	55.4	47.7	4.5	.6	108.2
1983	20.3	33.5	3.0	-	56.8
1984	10.5	18.8	5.8	.1	35.2
1985	15.8	23.1	1.2	3.7	43.8
<b>Total</b>	<b>1,456.8</b>	<b>1,169.9</b>	<b>64.2</b>	<b>6.5</b>	<b>2,697.4</b>



## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	215	45	*	-	260
1955-59	540	65	5	-	610
1960-64	450	75	*	-	525
1965-69	580	285	5	-	870
1970-73	430	265	*	-	695
1974	45	15	-	-	60
1975	105	25	-	-	130
1976	60	80	10	-	150
1977	25	10	20	-	55
1978	20	45	10	10	85
1979	20	45	40	20	125
1980	35	50	10	-	95
1981	40	15	20	-	75
1982	15	40	25	-	80
1983	10	65	-	-	75
1984	5	50	5	-	60
1985	15	60	5	-	80
<b>Total</b>	<b>2,610</b>	<b>1,235</b>	<b>155</b>	<b>30</b>	<b>4,030</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	22.5	8.8	.1	-	31.4
1955-59	59.5	13.3	1.0	-	73.8
1960-64	55.9	15.6	.4	-	71.9
1965-69	72.6	60.2	1.5	-	134.3
1970-73	53.3	54.4	.7	-	108.4
1974	4.5	3.6	-	-	8.1
1975	13.5	4.9	-	-	18.4
1976	7.9	18.3	4.9	-	31.1
1977	3.1	2.2	15.1	-	20.4
1978	3.3	10.2	4.6	10.8	28.9
1979	2.4	10.2	17.7	12.3	42.6
1980	2.1	12.9	5.8	-	20.8
1981	5.4	3.5	10.2	-	19.1
1982	1.9	8.3	17.7	-	27.9
1983	1.5	14.0	-	-	15.5
1984	1.2	13.3	1.5	-	16.0
1985	2.5	13.9	1.8	-	18.2
<b>Total</b>	<b>313.1</b>	<b>267.6</b>	<b>83.0</b>	<b>23.1</b>	<b>686.8</b>

## Chelan County

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	55	7,800
Atwood	45	10,800
Bisbee	1,210	184,000
Earlistripe	160	25,900
Hi-Early	810	95,000
Oregonspur	3,290	588,500
Redchief	1,715	325,900
Redspur	1,260	211,400
Ryan, Ryanred	10	1,500
Ryanspur	40	10,200
Starking	2,580	311,000
Topred	3,585	494,500
Wellspur	315	52,400
Other Strains	1,865	265,300
Unknown Strains	680	113,200
<b>Total Red Delicious</b>	<b>17,620</b>	<b>2,697,400</b>
<b>Golden Delicious</b>	<b>3,195</b>	<b>472,200</b>
Granny Smith	245	116,500
Rome Beauty	145	22,000
Winesap	185	25,200
Other Varieties	245	49,100
Unknown Varieties	15	1,800
<b>Total Non-Red Delicious</b>	<b>4,030</b>	<b>686,800</b>
<b>All Apples</b>	<b>21,650</b>	<b>3,384,200</b>

# Douglas County

## Red Delicious

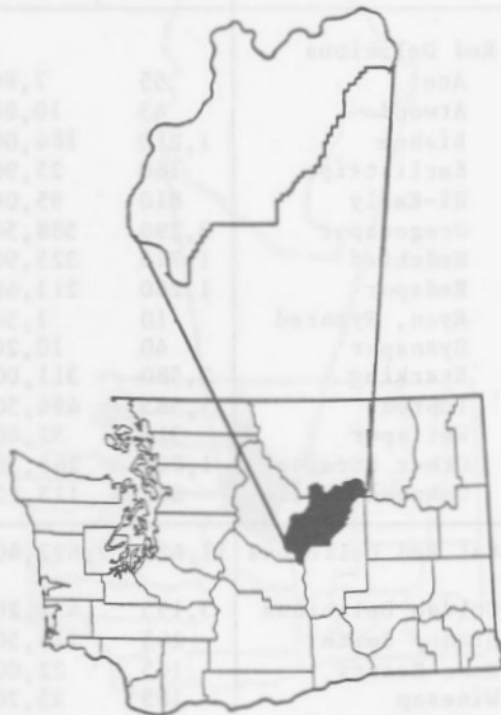
### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
Acres					
<1955	220	60	-	-	280
1955-59	385	50	5	-	440
1960-64	530	185	*	-	715
1965-69	1,075	1,290	-	-	2,365
1970-73	520	795	95	-	1,410
1974	95	125	15	-	235
1975	75	175	-	-	250
1976	45	255	40	-	340
1977	30	335	5	-	370
1978	80	195	25	-	300
1979	70	215	20	10	315
1980	75	605	30	-	710
1981	135	420	55	-	610
1982	125	245	25	-	395
1983	95	170	35	-	300
1984	25	65	5	-	95
1985	20	115	55	-	190
<b>Total</b>	<b>3,600</b>	<b>5,300</b>	<b>410</b>	<b>10</b>	<b>9,320</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
1,000 Trees					
<1955	21.4	14.6	-	-	36.0
1955-59	44.5	10.1	2.6	-	57.2
1960-64	68.7	42.1	.1	-	110.9
1965-69	147.3	275.1	-	-	422.4
1970-73	67.1	176.1	35.8	-	279.0
1974	11.6	24.9	6.1	-	42.6
1975	10.8	39.0	-	-	49.8
1976	7.3	53.5	16.8	-	77.6
1977	3.9	78.8	1.5	-	84.2
1978	11.8	44.2	12.6	-	68.6
1979	11.4	57.4	8.3	17.8	94.9
1980	10.8	143.5	13.1	-	167.4
1981	18.5	100.6	18.3	-	137.4
1982	16.5	51.7	18.0	-	86.2
1983	13.1	42.6	30.8	-	86.5
1984	3.8	14.1	2.4	-	20.3
1985	2.3	28.1	35.1	-	65.5
<b>Total</b>	<b>470.8</b>	<b>1,196.4</b>	<b>201.5</b>	<b>17.8</b>	<b>1,886.5</b>



## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	55	10	-	-	65
1955-59	235	45	5	-	285
1960-64	295	75	*	-	370
1965-69	370	625	35	-	1,030
1970-73	235	215	15	-	465
1974	*	30	*	-	30
1975	20	50	15	-	85
1976	60	95	20	-	175
1977	85	15	*	40	140
1978	20	25	40	15	100
1979	*	65	10	25	100
1980	20	175	50	-	245
1981	30	50	10	10	100
1982	5	25	15	10	55
1983	35	155	35	-	225
1984	5	60	5	5	75
1985	5	95	75	-	175
<b>Total</b>	<b>1,475</b>	<b>1,810</b>	<b>330</b>	<b>105</b>	<b>3,720</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	5.9	2.7	-	-	8.6
1955-59	30.0	8.3	3.0	-	41.3
1960-64	38.5	17.0	.1	-	55.6
1965-69	56.1	131.3	16.6	-	204.0
1970-73	28.2	48.4	4.5	-	81.1
1974	.3	4.4	.2	-	4.9
1975	2.3	11.9	8.8	-	23.0
1976	8.0	21.5	12.0	-	41.5
1977	10.0	3.5	.5	54.7	68.7
1978	4.0	6.7	19.3	25.3	55.3
1979	.4	18.3	4.6	37.2	60.5
1980	2.2	48.2	29.0	-	79.4
1981	4.1	13.1	4.6	11.7	33.5
1982	1.0	6.4	6.6	8.2	22.2
1983	5.3	44.8	23.6	-	73.7
1984	.9	11.9	4.2	4.2	21.2
1985	.9	22.7	26.1	-	49.7
<b>Total</b>	<b>198.1</b>	<b>421.1</b>	<b>163.7</b>	<b>141.3</b>	<b>924.2</b>

Franklin  
County

## Douglas County

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	55	13,300
Atwood	20	4,100
Bisbee	1,845	334,100
Earlistripe	165	30,900
Hi-Early	140	18,700
Oregonspur	2,465	528,000
Redchief	990	264,800
Redspur	575	124,600
Ryan, Ryanred	60	8,200
Ryanspur	90	25,100
Starking	715	105,300
Topred	785	132,000
Wellspur	215	35,100
Other Strains	1,110	250,000
Unknown Strains	90	12,300
<b>Total Red Delicious</b>	<b>9,320</b>	<b>1,886,500</b>
<b>Golden Delicious</b>	<b>2,455</b>	<b>448,900</b>
Granny Smith	710	358,600
Rome Beauty	205	43,000
Winesap	120	15,000
Other Varieties	230	58,700
Unknown Varieties	*	*
<b>Total Non-Red Delicious</b>	<b>3,720</b>	<b>924,200</b>
<b>All Apples</b>	<b>13,040</b>	<b>2,810,700</b>

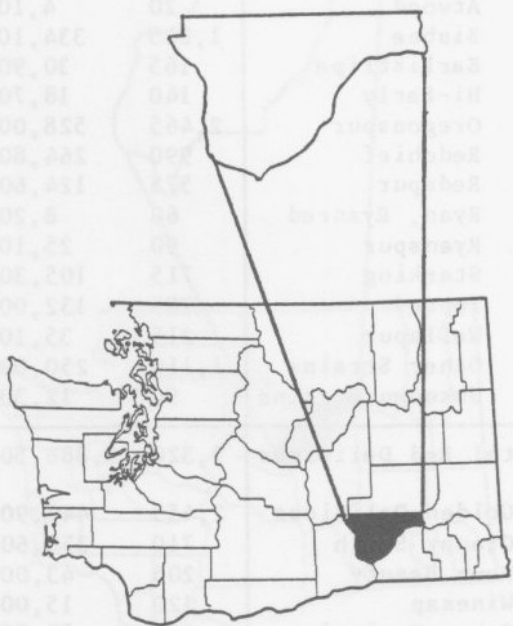
\* Less than 5 acres or 100 trees.

# Franklin County

## Red Delicious

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
Acres					
<1955	330	-	-	-	330
1955-59	-	-	-	-	0
1960-64	-	-	-	-	0
1965-69	50	25	-	-	75
1970-73	20	95	-	-	115
1974	-	35	-	-	35
1975	45	25	-	-	70
1976	30	40	25	-	95
1977	-	25	-	-	25
1978	15	125	-	-	140
1979	205	215	-	-	420
1980	425	635	10	-	1,070
1981	40	340	35	-	415
1982	-	45	-	-	45
1983	-	40	-	-	40
1984	5	45	-	-	50
1985	-	110	15	-	125
<b>Total</b>	<b>1,165</b>	<b>1,800</b>	<b>85</b>	<b>0</b>	<b>3,050</b>



### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
1,000 Trees					
<1955	66.2	-	-	-	66.2
1955-59	-	-	-	-	0
1960-64	-	-	-	-	0
1965-69	5.8	5.2	-	-	11.0
1970-73	4.2	19.7	-	-	23.9
1974	-	7.4	-	-	7.4
1975	9.4	5.1	-	-	14.5
1976	6.5	9.2	9.5	-	25.2
1977	-	3.0	-	-	3.0
1978	2.3	31.0	-	-	33.3
1979	28.8	51.5	-	-	80.3
1980	75.1	140.7	2.4	-	218.2
1981	4.6	71.2	20.8	-	96.6
1982	-	9.7	-	-	9.7
1983	-	12.5	-	-	12.5
1984	.5	11.8	-	-	12.3
1985	-	24.9	6.9	-	31.8
<b>Total</b>	<b>203.4</b>	<b>402.9</b>	<b>39.6</b>	<b>.0</b>	<b>645.9</b>

## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	-	-	-	-	0
1955-59	-	-	-	-	0
1960-64	-	-	-	-	0
1965-69	-	65	-	-	65
1970-73	20	5	-	-	25
1974	-	15	-	-	15
1975	15	25	-	-	40
1976	30	70	-	-	100
1977	-	-	-	-	0
1978	-	*	-	-	0
1979	100	25	-	-	125
1980	95	315	-	-	410
1981	-	290	65	-	355
1982	-	35	-	-	35
1983	-	100	-	-	100
1984	10	35	-	-	45
1985	-	25	90	-	115
<b>Total</b>	<b>270</b>	<b>1,005</b>	<b>155</b>	<b>0</b>	<b>1,430</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	-	-	-	-	.0
1955-59	-	-	-	-	.0
1960-64	-	-	-	-	.0
1965-69	-	13.8	-	-	13.8
1970-73	2.2	1.5	-	-	3.7
1974	-	3.5	-	-	3.5
1975	2.8	6.2	-	-	9.0
1976	3.1	23.0	-	-	26.1
1977	-	-	-	-	.0
1978	-	.2	-	-	.2
1979	15.1	6.0	-	-	21.1
1980	16.8	65.1	-	-	81.9
1981	-	92.9	36.0	-	128.9
1982	-	7.8	-	-	7.8
1983	-	23.9	-	-	23.9
1984	.8	9.0	-	-	9.8
1985	-	5.2	48.2	-	53.4
<b>Total</b>	<b>40.8</b>	<b>258.1</b>	<b>84.2</b>	<b>.0</b>	<b>383.1</b>

## Franklin County

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	150	36,700
Atwood	110	20,600
Bisbee	215	42,400
Earlistripe	10	900
Hi-Early	25	5,200
Oregonspur	725	159,100
Redchief	1,170	239,800
Redspur	45	15,500
Ryan, Ryanred	160	28,800
Ryanspur	-	-
Starking	20	3,200
Topred	90	19,600
Wellspur	-	-
Other Strains	325	73,800
Unknown Strains	5	300
<b>Total Red Delicious</b>	<b>3,050</b>	<b>645,900</b>
<b>Golden Delicious</b>	<b>380</b>	<b>78,500</b>
<b>Granny Smith</b>	<b>825</b>	<b>261,000</b>
<b>Rome Beauty</b>	<b>150</b>	<b>30,200</b>
<b>Winesap</b>	<b>15</b>	<b>3,500</b>
<b>Other Varieties</b>	<b>60</b>	<b>9,900</b>
<b>Unknown Varieties</b>	<b>-</b>	<b>-</b>
<b>Total Non-Red Delicious</b>	<b>1,430</b>	<b>383,100</b>
<b>All Apples</b>	<b>4,480</b>	<b>1,029,000</b>



# Grant County

## Red Delicious

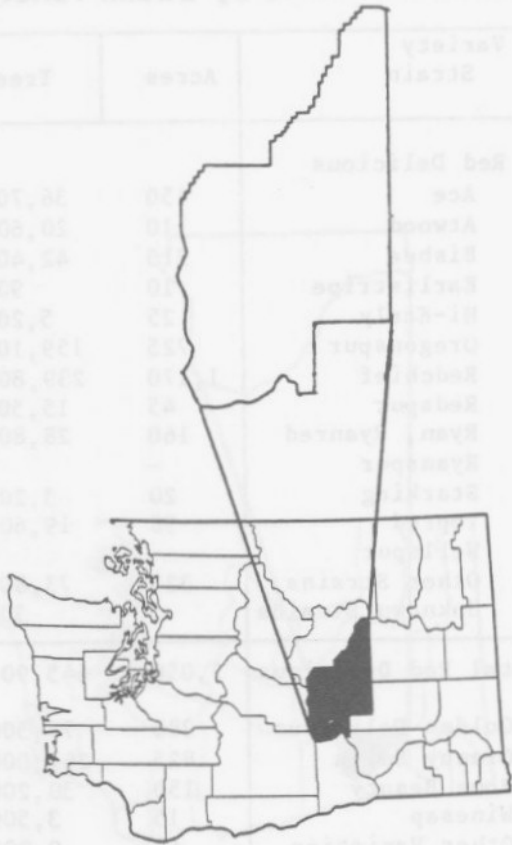
### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	*	-	-	-	*
1955-59	235	35	5	-	275
1960-64	260	70	30	-	360
1965-69	435	305	20	-	760
1970-73	210	445	30	-	685
1974	100	270	-	-	370
1975	15	200	20	-	235
1976	150	115	-	-	265
1977	50	240	10	-	300
1978	145	360	5	-	510
1979	640	940	-	-	1,580
1980	700	1,500	280	-	2,480
1981	1,420	415	30	-	1,865
1982	390	1,265	-	-	1,655
1983	50	385	15	-	450
1984	15	105	300	-	420
1985	15	205	30	-	250
<b>Total</b>	<b>4,830</b>	<b>6,855</b>	<b>775</b>	<b>0</b>	<b>12,460</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	.1	-	-	-	.1
1955-59	26.1	8.1	3.2	-	37.4
1960-64	35.6	18.7	13.7	-	68.0
1965-69	67.3	65.0	9.1	-	141.4
1970-73	31.9	116.9	15.8	-	164.6
1974	16.6	64.1	-	-	80.7
1975	1.5	50.5	7.8	-	59.8
1976	20.9	26.2	-	-	47.1
1977	6.7	62.2	8.2	-	77.1
1978	22.3	71.0	3.3	-	96.6
1979	107.0	185.5	-	-	292.5
1980	131.0	306.2	161.6	-	598.8
1981	253.4	87.3	12.7	-	353.4
1982	70.3	267.6	-	-	337.9
1983	8.9	95.8	9.0	-	113.7
1984	2.6	22.7	173.2	-	198.5
1985	1.9	42.3	22.7	-	66.9
<b>Total</b>	<b>804.1</b>	<b>1,490.1</b>	<b>440.3</b>	<b>0</b>	<b>2,734.5</b>



## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	*	-	-	-	*
1955-59	55	30	5	-	90
1960-64	60	80	60	-	200
1965-69	155	220	30	-	405
1970-73	85	115	20	-	220
1974	-	30	-	-	30
1975	-	35	-	-	35
1976	65	5	-	-	70
1977	-	15	15	-	30
1978	65	35	*	35	135
1979	160	105	170	90	525
1980	170	240	100	-	510
1981	730	105	135	140	1,110
1982	255	80	5	40	380
1983	390	515	100	-	1,005
1984	5	10	190	90	295
1985	-	65	80	15	160
<b>Total</b>	<b>2,195</b>	<b>1,685</b>	<b>910</b>	<b>410</b>	<b>5,200</b>

\* Less than 5 Acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	*	-	-	-	*
1955-59	5.6	6.8	1.5	-	13.9
1960-64	9.6	23.6	26.4	-	59.6
1965-69	24.2	54.7	13.4	-	92.3
1970-73	12.3	26.2	11.0	-	49.5
1974	-	7.1	-	-	7.1
1975	-	9.0	-	-	9.0
1976	8.4	1.8	-	-	10.2
1977	-	3.2	6.7	-	9.9
1978	10.1	6.5	.8	44.2	61.6
1979	26.8	21.1	93.1	132.7	273.7
1980	30.8	56.5	57.7	-	145.0
1981	129.1	25.0	103.4	192.3	449.8
1982	45.8	20.7	1.9	78.6	147.0
1983	42.9	28.3	59.3	-	130.5
1984	.7	2.0	136.3	132.7	271.7
1985	-	16.9	35.4	18.7	71.0
<b>Total</b>	<b>346.3</b>	<b>309.4</b>	<b>546.9</b>	<b>599.2</b>	<b>1,801.8</b>

\* Less than 100 trees.

Washington Fruit Survey, 1986

## Grant County

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	685	250,800
Atwood	65	13,600
Bisbee	1,525	287,700
Earlistripe	195	51,500
Hi-Early	115	17,300
Oregonspur	4,380	919,400
Redchief	2,390	533,900
Redspur	535	99,100
Ryan, Ryanred	380	71,300
Ryanspur	405	79,300
Starking	195	30,400
Topred	395	68,700
Wellspur	95	20,800
Other Strains	875	212,400
Unknown Strains	225	78,300
<b>Total Red Delicious</b>	<b>12,460</b>	<b>2,734,500</b>
<b>Golden Delicious</b>	<b>2,025</b>	<b>454,700</b>
<b>Granny Smith</b>	<b>2,485</b>	<b>1,205,200</b>
<b>Rome Beauty</b>	<b>405</b>	<b>87,400</b>
<b>Winesap</b>	<b>75</b>	<b>13,300</b>
<b>Other Varieties</b>	<b>210</b>	<b>41,200</b>
<b>Unknown Varieties</b>	<b>-</b>	<b>-</b>
<b>Total Non-Red Delicious</b>	<b>5,200</b>	<b>1,801,800</b>
<b>All Apples</b>	<b>17,660</b>	<b>4,536,300</b>

# Kittitas County

## Red Delicious

### Acres, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
Acres					
<1955	10	-	-	-	10
1955-59	15	-	-	-	15
1960-64	10	-	-	-	10
1965-69	-	-	-	-	0
1970-73	20	10	-	-	30
1974	-	-	-	-	0
1975	20	-	-	-	20
1976	-	25	5	-	30
1977	15	-	-	-	15
1978	15	35	-	-	50
1979	-	-	-	-	0
1980	10	80	-	15	105
1981	135	15	-	*	150
1982	-	-	10	20	30
1983	-	15	-	-	15
1984	-	-	5	-	5
1985	-	-	-	-	0
<b>Total</b>	<b>250</b>	<b>180</b>	<b>20</b>	<b>35</b>	<b>485</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
1,000 Trees					
<1955	.4	-	-	-	.4
1955-59	.8	-	-	-	.8
1960-64	.3	-	-	-	.3
1965-69	-	-	-	-	.0
1970-73	3.2	1.9	-	-	5.1
1974	-	-	-	-	.0
1975	3.4	-	-	-	3.4
1976	-	5.8	3.4	-	9.2
1977	2.6	-	-	-	2.6
1978	1.8	10.2	-	-	12.0
1979	-	-	-	-	.0
1980	.8	22.2	-	17.8	40.8
1981	18.9	3.0	-	2.2	24.1
1982	-	-	7.8	29.2	37.0
1983	-	2.6	-	-	2.6
1984	-	-	3.1	-	3.1
1985	-	-	-	-	0
<b>Total</b>	<b>32.2</b>	<b>45.7</b>	<b>14.3</b>	<b>49.2</b>	<b>141.4</b>

## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	15	-	-	-	15
1955-59	20	-	-	-	20
1960-64	5	-	-	-	5
1965-69	15	*	-	-	15
1970-73	20	20	-	-	40
1974	-	-	-	-	0
1975	-	-	-	-	0
1976	-	5	-	-	5
1977	10	-	-	-	10
1978	15	-	-	-	15
1979	-	-	-	-	0
1980	-	5	-	15	20
1981	35	15	-	60	110
1982	-	15	-	135	150
1983	-	45	-	-	45
1984	-	-	20	-	20
1985	-	10	*	-	10
<b>Total</b>	<b>135</b>	<b>115</b>	<b>20</b>	<b>210</b>	<b>480</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	.8	-	-	-	.8
1955-59	1.1	-	-	-	1.1
1960-64	.3	-	-	-	.3
1965-69	.8	*	-	-	.8
1970-73	2.7	4.7	-	-	7.4
1974	-	-	-	-	.0
1975	-	-	-	-	.0
1976	-	1.8	-	-	1.8
1977	1.4	-	-	-	1.4
1978	1.8	-	-	-	1.8
1979	-	-	-	-	.0
1980	-	1.5	-	20.0	21.5
1981	5.8	5.2	-	81.0	92.0
1982	-	2.2	-	178.1	180.3
1983	-	12.9	-	-	12.9
1984	-	-	11.3	-	11.3
1985	-	2.5	2.1	-	4.6
<b>Total</b>	<b>14.7</b>	<b>30.8</b>	<b>13.4</b>	<b>279.1</b>	<b>338.0</b>

\* Less than 100 trees.

Washington Fruit Survey, 1986

## Kittitas County

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	-	-
Atwood	15	4,000
Bisbee	10	900
Earlistripe	5	2,500
Hi-Early	-	-
Oregonspur	15	3,500
Redchief	45	48,700
Redspur	180	30,200
Ryan, Ryanred	35	8,800
Ryanspur	-	-
Starking	25	1,300
Topred	5	700
Wellspur	50	9,600
Other Strains	80	21,900
Unknown Strains	20	9,300
<b>Total Red Delicious</b>	<b>485</b>	<b>141,400</b>
<b>Golden Delicious</b>	<b>85</b>	<b>13,200</b>
<b>Granny Smith</b>	<b>205</b>	<b>275,800</b>
<b>Rome Beauty</b>	<b>180</b>	<b>43,600</b>
<b>Winesap</b>	<b>-</b>	<b>-</b>
<b>Other Varieties</b>	<b>10</b>	<b>5,400</b>
<b>Unknown Varieties</b>	<b>-</b>	<b>-</b>
<b>Total Non-Red Delicious</b>	<b>480</b>	<b>338,000</b>
<b>All Apples</b>	<b>965</b>	<b>479,400</b>

# Klickitat County

## Red Delicious

### Acreege, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	15	-	-	-	15
1955-59	-	-	-	-	0
1960-64	70	-	-	-	70
1965-69	-	-	-	-	0
1970-73	-	-	-	-	0
1974	-	*	-	-	0
1975	-	-	-	-	0
1976	-	*	-	-	0
1977	-	-	-	-	0
1978	-	-	-	-	0
1979	-	25	-	-	25
1980	105	25	-	-	130
1981	-	5	-	-	5
1982	5	-	-	-	5
1983	-	-	-	-	0
1984	-	-	-	-	0
1985	-	-	-	-	0
<b>Total</b>	<b>195</b>	<b>55</b>	<b>0</b>	<b>0</b>	<b>250</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	.7	-	-	-	.7
1955-59	-	-	-	-	0
1960-64	7.2	-	-	-	7.2
1965-69	-	-	-	-	0
1970-73	-	-	-	-	0
1974	-	.5	-	-	.5
1975	-	-	-	-	0
1976	-	.5	-	-	.5
1977	-	-	-	-	0
1978	-	-	-	-	0
1979	-	5.1	-	-	5.1
1980	14.7	5.3	-	-	20.0
1981	-	1.4	-	-	1.4
1982	.5	-	-	-	.5
1983	-	-	-	-	0
1984	-	-	-	-	0
1985	-	-	-	-	0
<b>Total</b>	<b>23.1</b>	<b>12.8</b>	<b>0</b>	<b>0</b>	<b>35.9</b>



## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
Acres					
<1955	50	-	-	-	50
1955-59	-	-	-	-	0
1960-64	10	-	-	-	10
1965-69	5	-	-	-	5
1970-73	-	-	-	-	0
1974	-	-	-	-	0
1975	-	-	-	-	0
1976	-	-	-	-	0
1977	-	-	-	-	0
1978	-	-	-	-	0
1979	-	-	-	-	0
1980	15	5	-	-	20
1981	-	-	-	-	0
1982	*	-	-	-	0
1983	-	15	-	-	15
1984	-	5	-	-	5
1985	*	5	-	-	5
<b>Total</b>	<b>80</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>110</b>

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
1,000 Trees					
<1955	2.7	-	-	-	2.7
1955-59	-	-	-	-	0
1960-64	1.5	-	-	-	1.5
1965-69	.5	-	-	-	.5
1970-73	-	-	-	-	0
1974	-	-	-	-	0
1975	-	-	-	-	0
1976	-	-	-	-	0
1977	-	-	-	-	0
1978	-	-	-	-	0
1979	-	-	-	-	0
1980	1.9	1.0	-	-	2.9
1981	-	-	-	-	0
1982	.1	-	-	-	.1
1983	-	5.1	-	-	5.1
1984	-	2.2	-	-	2.2
1985	.2	.9	-	-	1.1
<b>Total</b>	<b>6.9</b>	<b>9.2</b>	<b>0</b>	<b>0</b>	<b>16.1</b>

## Klickitat County

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	5	1,400
Atwood	-	-
Bisbee	110	13,400
Earlistripe	-	-
Hi-Early	-	-
Oregonspur	10	2,400
Redchief	25	5,100
Redspur	-	-
Ryan, Ryanred	85	12,900
Ryanspur	-	-
Starking	5	200
Topred	-	-
Wellspur	-	-
Other Strains	10	500
Unknown Strains	-	-
<b>Total Red Delicious</b>	<b>250</b>	<b>35,900</b>
<b>Golden Delicious</b>	25	3,500
<b>Granny Smith</b>	25	8,300
<b>Rome Beauty</b>	5	900
<b>Winesap</b>	-	-
<b>Other Varieties</b>	55	3,400
<b>Unknown Varieties</b>	-	-
<b>Total Non-Red Delicious</b>	<b>110</b>	<b>16,100</b>
<b>All Apples</b>	<b>360</b>	<b>52,000</b>

# Okanogan County

## Red Delicious

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	640	35	-	-	675
1955-59	1,530	25	*	-	1,555
1960-64	1,550	100	5	-	1,655
1965-69	2,180	585	10	-	2,775
1970-73	3,035	1,075	5	-	4,115
1974	305	250	30	-	585
1975	395	415	25	-	835
1976	275	245	15	-	535
1977	210	315	5	-	530
1978	485	485	15	-	985
1979	530	385	5	-	920
1980	490	410	25	-	925
1981	560	480	45	*	1,085
1982	285	925	155	-	1,365
1983	520	720	10	-	1,250
1984	125	215	10	-	350
1985	65	120	15	-	200
<b>Total</b>	<b>13,180</b>	<b>6,785</b>	<b>375</b>	<b>*</b>	<b>20,340</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	58.9	6.2	-	-	65.1
1955-59	151.0	5.9	.4	-	157.3
1960-64	174.8	20.7	2.2	-	197.7
1965-69	244.6	122.4	8.3	-	375.3
1970-73	383.6	214.5	2.6	-	600.7
1974	35.6	59.8	13.7	-	109.1
1975	51.1	85.1	16.7	-	152.9
1976	35.1	58.9	10.2	-	104.2
1977	24.9	75.0	1.6	-	101.5
1978	65.4	118.0	9.2	-	192.6
1979	72.9	84.8	1.6	-	159.3
1980	73.2	83.8	11.4	-	168.4
1981	79.7	100.4	27.0	.2	207.3
1982	42.9	266.3	87.9	-	397.1
1983	68.2	204.4	1.8	-	274.4
1984	16.6	46.5	6.0	-	69.1
1985	8.6	24.9	11.5	-	45.0
<b>Total</b>	<b>1,587.1</b>	<b>1,577.6</b>	<b>212.1</b>	<b>.2</b>	<b>3,377.0</b>



## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	245	5	-	-	250
1955-59	600	35	5	-	640
1960-64	635	55	*	-	690
1965-69	895	220	5	*	1,120
1970-73	620	325	5	-	950
1974	25	100	10	-	135
1975	100	70	-	-	170
1976	135	55	5	-	195
1977	20	90	-	-	110
1978	75	125	10	-	210
1979	115	65	*	-	180
1980	55	145	50	-	250
1981	40	205	-	-	245
1982	15	460	30	-	505
1983	30	160	-	-	190
1984	55	60	*	-	115
1985	15	80	-	-	95
<b>Total</b>	<b>3,675</b>	<b>2,255</b>	<b>120</b>	<b>*</b>	<b>6,050</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	22.1	1.5	-	-	23.6
1955-59	61.5	7.0	2.6	-	71.1
1960-64	66.6	11.3	.2	-	78.1
1965-69	96.8	47.2	2.2	.3	146.5
1970-73	77.3	64.5	2.1	-	143.9
1974	2.4	20.1	7.3	-	29.8
1975	11.1	14.2	-	-	25.3
1976	19.5	14.5	3.5	-	37.5
1977	2.5	23.1	-	-	25.6
1978	9.0	25.6	5.9	-	40.5
1979	14.8	12.1	.7	-	27.6
1980	8.6	35.8	24.0	-	68.4
1981	5.7	41.4	-	-	47.1
1982	1.9	113.6	18.9	-	134.4
1983	3.0	45.9	-	-	48.9
1984	7.3	14.7	.4	-	22.4
1985	2.0	22.4	-	-	24.4
<b>Total</b>	<b>412.1</b>	<b>514.9</b>	<b>67.8</b>	<b>.3</b>	<b>995.1</b>

## Okanogan County

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	505	141,100
Atwood	205	33,600
Bisbee	2,755	434,500
Earlistripe	1,060	202,900
Hi-Early	1,370	149,500
Oregonspur	3,325	577,000
Redchief	1,990	405,100
Redspur	1,120	175,100
Ryan, Ryanred	110	18,200
Ryanspur	400	167,000
Starking	1,960	195,000
Topred	2,195	315,000
Wellspur	805	112,500
Other Strains	2,255	409,500
Unknown Strains	285	41,000
<b>Total Red Delicious</b>	<b>20,340</b>	<b>3,377,000</b>
<b>Golden Delicious</b>	<b>4,380</b>	<b>675,200</b>
Granny Smith	885	191,700
Rome Beauty	290	52,400
Winesap	230	22,400
Other Varieties	130	27,100
Unknown Varieties	135	26,300
<b>Total Non-Red Delicious</b>	<b>6,050</b>	<b>995,100</b>
<b>All Apples</b>	<b>26,390</b>	<b>4,372,100</b>



# Spokane County

## Red Delicious

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	15	-	-	-	15
1955-59	5	-	-	-	5
1960-64	115	-	-	-	115
1965-69	35	-	-	-	35
1970-73	20	25	-	-	45
1974	-	-	-	-	0
1975	30	-	-	-	30
1976	60	-	-	-	60
1977	*	-	-	-	0
1978	5	-	-	-	5
1979	5	35	-	-	40
1980	25	130	-	-	155
1981	10	-	-	-	10
1982	15	-	-	-	15
1983	-	-	-	-	0
1984	-	-	-	-	0
1985	-	-	-	-	0
<b>Total</b>	<b>340</b>	<b>190</b>	<b>0</b>	<b>0</b>	<b>530</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	1	-	-	-	1.0
1955-59	.3	-	-	-	.3
1960-64	13.4	-	-	-	13.4
1965-69	2.8	-	-	-	2.8
1970-73	3.4	4.7	-	-	8.1
1974	-	-	-	-	.0
1975	4.1	-	-	-	4.1
1976	6.7	-	-	-	6.7
1977	*	-	-	-	.0
1978	.4	-	-	-	.4
1979	.5	6.4	-	-	6.9
1980	2.8	26.2	-	-	29.0
1981	1.9	-	-	-	1.9
1982	1.7	-	-	-	1.7
1983	-	-	-	-	.0
1984	-	-	-	-	.0
1985	-	-	-	-	.0
<b>Total</b>	<b>39.0</b>	<b>37.3</b>	<b>0</b>	<b>0</b>	<b>76.3</b>



## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	*	-	-	-	*
1955-59	20	-	-	-	20
1960-64	35	-	-	-	35
1965-69	10	-	-	-	10
1970-73	55	15	-	-	70
1974	-	-	-	-	0
1975	30	-	-	-	30
1976	15	-	-	-	15
1977	10	-	-	-	10
1978	*	-	-	-	*
1979	5	5	-	-	10
1980	35	45	-	-	80
1981	5	-	-	-	5
1982	10	-	-	-	10
1983	5	*	-	-	5
1984	*	-	-	-	*
1985	-	-	-	-	0
<b>Total</b>	<b>235</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>300</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	.1	-	-	-	.1
1955-59	1.9	-	-	-	1.9
1960-64	3.2	-	-	-	3.2
1965-69	.8	-	-	-	.8
1970-73	7.5	2.6	-	-	10.1
1974	-	-	-	-	.0
1975	5.8	-	-	-	5.8
1976	2.7	-	-	-	2.7
1977	1.1	-	-	-	1.1
1978	*	-	-	-	*
1979	.1	1.3	-	-	1.4
1980	3.7	9.5	-	-	13.2
1981	1.0	-	-	-	1.0
1982	1.0	-	-	-	1.0
1983	.5	.3	-	-	.8
1984	*	-	-	-	*
1985	-	-	-	-	.0
<b>Total</b>	<b>29.4</b>	<b>13.7</b>	<b>0</b>	<b>0</b>	<b>43.1</b>

Walla Walla  
County

## Spokane County

### Acres and Trees by Strain/Variety

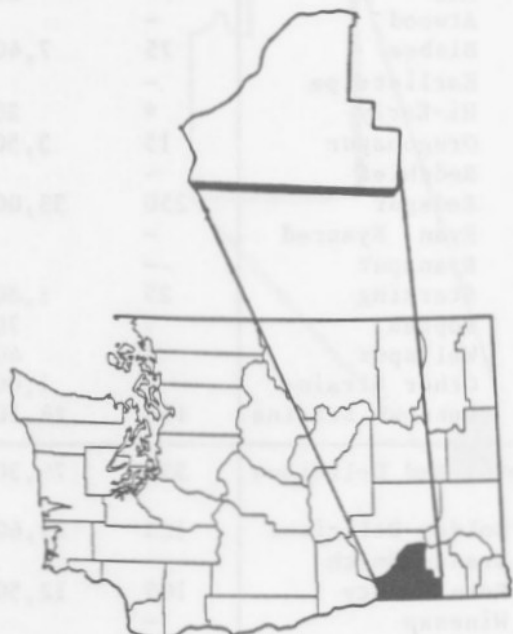
Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	*	200
Atwood	-	-
Bisbee	75	7,400
Earlistripe	-	-
Hi-Early	*	200
Oregonspur	15	3,500
Redchief	-	-
Redspur	250	33,000
Ryan, Ryanred	-	-
Ryanspur	-	-
Starking	25	1,800
Topred	5	700
Wellspur	5	400
Other Strains	5	1,000
Unknown Strains	150	28,100
<b>Total Red Delicious</b>	<b>530</b>	<b>76,300</b>
<b>Golden Delicious</b>	<b>125</b>	<b>19,600</b>
Granny Smith	-	-
Rome Beauty	105	12,500
Winesap	-	-
Other Varieties	45	6,200
Unknown Varieties	25	4,800
<b>Total Non-Red Delicious</b>	<b>300</b>	<b>43,100</b>
<b>All Apples</b>	<b>830</b>	<b>119,400</b>

\* Less than 5 acres.

# Walla Walla County

## Red Delicious Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
Acres					
<1955	-	-	-	-	0
1955-59	-	-	-	-	0
1960-64	-	-	-	-	0
1965-69	-	-	-	-	0
1970-73	-	-	-	-	0
1974	-	-	-	-	0
1975	-	-	-	-	0
1976	-	-	-	-	0
1977	125	-	-	-	125
1978	220	-	-	-	220
1979	175	-	-	-	175
1980	-	570	-	-	570
1981	-	305	-	-	305
1982	185	30	-	-	215
1983	-	25	-	-	25
1984	-	25	5	-	30
1985	-	5	-	-	5
<b>Total</b>	<b>705</b>	<b>960</b>	<b>5</b>	<b>0</b>	<b>1,670</b>



## Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
1,000 Trees					
<1955	-	-	-	-	0.0
1955-59	-	-	-	-	0.0
1960-64	-	-	-	-	0.0
1965-69	-	-	-	-	0.0
1970-73	-	-	-	-	0.0
1974	-	-	-	-	0.0
1975	-	-	-	-	0.0
1976	-	-	-	-	0.0
1977	19.7	-	-	-	19.7
1978	38.1	-	-	-	38.1
1979	27.7	-	-	-	27.7
1980	-	153.3	-	-	153.3
1981	-	71.9	-	-	71.9
1982	29.7	7.1	-	-	36.8
1983	-	5.2	-	-	5.2
1984	-	6.9	3.0	-	9.9
1985	-	1.2	-	-	1.2
<b>Total</b>	<b>115.2</b>	<b>245.6</b>	<b>3.0</b>	<b>0</b>	<b>363.8</b>

## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
Acres					
<1955	-	-	-	-	0
1955-59	-	-	-	-	0
1960-64	-	-	-	-	0
1965-69	-	-	-	-	0
1970-73	-	-	-	-	0
1974	-	-	-	-	0
1975	-	-	-	-	0
1976	-	-	-	-	0
1977	60	-	-	-	60
1978	90	-	-	-	90
1979	-	-	-	-	0
1980	-	50	-	-	50
1981	-	650	-	-	650
1982	-	205	-	-	205
1983	-	290	-	-	290
1984	*	*	25	-	25
1985	-	125	5	-	130
<b>Total</b>	<b>150</b>	<b>1320</b>	<b>30</b>	<b>0</b>	<b>1,500</b>

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
1,000 Trees					
<1955	-	-	-	-	0
1955-59	-	-	-	-	0
1960-64	-	-	-	-	0
1965-69	-	-	-	-	0
1970-73	-	-	-	-	0
1974	-	-	-	-	0
1975	-	-	-	-	0
1976	-	-	-	-	0
1977	9.8	-	-	-	9.8
1978	15.8	-	-	-	15.8
1979	-	-	-	-	0
1980	-	13.1	-	-	13.1
1981	-	174.6	-	-	174.6
1982	-	49.3	-	-	49.3
1983	-	70.8	-	-	70.8
1984	.1	.2	10.9	-	11.2
1985	-	20.1	2.2	-	22.3
<b>Total</b>	<b>25.7</b>	<b>328.1</b>	<b>13.1</b>	<b>0</b>	<b>366.9</b>

## Walla Walla County

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	70	12,700
Atwood	-	-
Bisbee	15	3,700
Earlistripe	-	-
Hi-Early	-	-
Oregonspur	380	62,100
Redchief	535	137,600
Redspur	85	15,600
Ryan, Ryanred	75	12,700
Ryanspur	-	-
Starking	5	600
Topred	25	7,500
Wellspur	-	-
Other Strains	480	111,300
Unknown Strains	-	-
<b>Total Red Delicious</b>	<b>1,670</b>	<b>363,800</b>
<b>Golden Delicious</b>	135	29,000
<b>Granny Smith</b>	1,225	300,100
<b>Rome Beauty</b>	85	20,100
<b>Winesap</b>	-	-
<b>Other Varieties</b>	55	17,700
<b>Unknown Varieties</b>	-	-
<b>Total Non-Red Delicious</b>	<b>1,500</b>	<b>366,900</b>
<b>All Apples</b>	<b>3,170</b>	<b>730,700</b>

# Yakima County

## Red Delicious

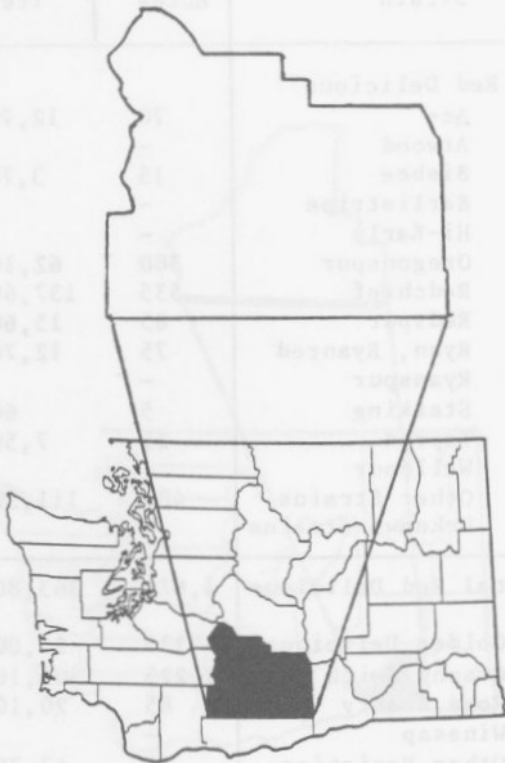
### Acres, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	1,925	290	-	-	2,215
1955-59	2,490	795	10	-	3,295
1960-64	2,815	845	40	-	3,700
1965-69	4,010	2,510	110	-	6,630
1970-73	3,475	2,690	25	-	6,190
1974	530	680	*	-	1,210
1975	975	1,375	65	-	2,415
1976	1,170	1,175	65	-	2,410
1977	425	1,010	5	-	1,440
1978	1,190	1,980	90	-	3,260
1979	1,290	2,570	75	-	3,935
1980	1,030	2,145	65	-	3,240
1981	905	1,240	100	-	2,245
1982	945	1,940	100	-	2,985
1983	345	815	60	-	1,220
1984	355	585	40	-	980
1985	240	1,285	5	-	1,530
<b>Total</b>	<b>24,115</b>	<b>23,930</b>	<b>855</b>	<b>0</b>	<b>48,900</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	181.1	61.6	-	-	242.7
1955-59	270.9	197.9	4.2	-	473.0
1960-64	365.5	184.2	19.3	-	569.0
1965-69	496.7	560.3	50.4	-	1,107.4
1970-73	470.2	591.1	10.4	-	1,071.7
1974	74.2	153.6	.5	-	228.3
1975	140.7	296.5	27.6	-	464.8
1976	167.1	249.3	28.6	-	445.0
1977	65.9	209.1	1.9	-	276.9
1978	178.0	425.3	37.0	-	640.3
1979	200.1	534.1	28.1	-	762.3
1980	150.3	481.0	32.3	-	663.6
1981	145.3	272.1	48.7	-	466.1
1982	156.9	402.8	41.8	-	601.5
1983	51.8	175.9	31.5	-	259.2
1984	57.1	123.2	25.9	-	206.2
1985	37.3	298.6	2.3	-	338.2
<b>Total</b>	<b>3,209.1</b>	<b>5,216.6</b>	<b>390.5</b>	<b>0</b>	<b>8,816.2</b>



## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	Acres				
<1955	865	50	*	-	915
1955-59	1,485	135	5	-	1,625
1960-64	1,555	375	10	-	1,940
1965-69	1,600	875	40	-	2,515
1970-73	920	510	10	5	1,445
1974	120	200	-	-	320
1975	190	155	5	-	350
1976	170	175	10	-	355
1977	100	80	*	-	180
1978	175	290	*	-	465
1979	195	650	*	*	845
1980	240	555	15	10	820
1981	90	265	70	-	425
1982	90	575	5	-	670
1983	55	180	15	-	250
1984	55	200	35	-	290
1985	260	340	90	-	690
<b>Total</b>	<b>8,165</b>	<b>5,610</b>	<b>310</b>	<b>15</b>	<b>14,100</b>

\* Less than 5 acres.

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
	1,000 Trees				
<1955	75.9	10.6	.1	-	86.6
1955-59	165.0	28.4	1.9	-	195.3
1960-64	187.0	81.5	6.0	-	274.5
1965-69	183.2	193.6	20.6	-	397.4
1970-73	111.5	115.6	5.4	3.1	235.6
1974	13.7	41.1	-	-	54.8
1975	25.4	29.3	3.2	-	57.9
1976	23.7	38.4	5.9	-	68.0
1977	15.7	17.2	.1	-	33.0
1978	21.2	64.0	.5	-	85.7
1979	28.9	129.0	.8	2.1	160.8
1980	34.1	136.1	8.2	9.9	188.3
1981	13.5	55.6	27.8	-	96.9
1982	10.6	153.5	3.4	-	167.5
1983	8.7	36.9	8.9	-	54.5
1984	7.7	50.3	24.8	-	82.8
1985	44.1	83.4	45.2	-	172.7
<b>Total</b>	<b>969.9</b>	<b>1,264.5</b>	<b>162.8</b>	<b>15.1</b>	<b>2,412.3</b>

## Yakima County

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious:</b>		
Ace	225	45,700
Atwood	1,120	227,900
Bisbee	6,970	1,208,000
Earlistripe	165	30,000
Hi-Early	1,150	165,900
Oregonspur	7,075	1,398,600
Redchief	6,505	1,356,900
Redspur	4,390	787,400
Ryan, Ryanred	2,350	432,000
Ryanspur	560	123,100
Starking	5,885	699,200
Topred	2,590	464,600
Wellspur	1,025	179,300
Other Strains	6,360	1,249,900
Unknown Strains	2,530	447,700
<b>Total Red Delicious</b>	<b>48,900</b>	<b>8,816,200</b>
Golden Delicious	8,400	1,311,800
Granny Smith	1,065	250,400
Rome Beauty	1,920	350,000
Winesap	1,110	135,200
Other Varieties	1,030	193,100
Unknown Varieties	575	171,800
<b>Total Other Varieties</b>	<b>14,100</b>	<b>2,412,300</b>
<b>All Apples</b>	<b>63,000</b>	<b>11,228,500</b>

# Other Counties

County

# Red Delicious

Acres, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
Acres					
<1955	45	-	-	-	45
1955-59	35	-	-	-	35
1960-64	20	-	-	-	20
1965-69	120	10	-	-	130
1970-73	65	5	-	-	70
1974	20	-	-	-	20
1975	25	-	-	-	25
1976	15	-	-	-	15
1977	20	-	-	-	20
1978	5	25	-	-	30
1979	45	-	-	-	45
1980	75	150	-	-	225
1981	10	80	-	-	90
1982	-	-	*	-	*
1983	5	10	-	-	15
1984	10	-	-	-	10
1985	5	-	-	-	5
<b>Total</b>	<b>520</b>	<b>280</b>	<b>*</b>	<b>0</b>	<b>800</b>

\* Less than 5 acres.

## Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
1,000 Trees					
<1955	4.0	-	-	-	4.0
1955-59	3.2	-	-	-	3.2
1960-64	2.2	-	-	-	2.2
1965-69	18.5	3.1	-	-	21.6
1970-73	9.9	.9	-	-	10.8
1974	2.7	-	-	-	2.7
1975	4.0	-	-	-	4.0
1976	1.8	-	-	-	1.8
1977	3.3	-	-	-	3.3
1978	.6	6.0	-	-	6.6
1979	9.1	-	-	-	9.1
1980	13.1	34.5	-	-	47.6
1981	1.5	17.1	-	-	18.6
1982	-	-	*	-	*
1983	.6	2.2	-	-	2.8
1984	.8	-	-	-	.8
1985	.6	-	-	-	.6
<b>Total</b>	<b>75.9</b>	<b>63.8</b>	<b>*</b>	<b>0</b>	<b>139.7</b>

\* Less than 100 trees.

Washington Fruit Survey, 1986



## Other Apples

### Acreage, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
Acres					
<1955	50	-	-	-	50
1955-59	10	-	-	-	10
1960-64	15	-	-	-	15
1965-69	140	25	-	-	165
1970-73	25	-	-	-	25
1974	*	-	-	-	0
1975	-	-	15	-	15
1976	10	-	-	-	10
1977	*	-	-	-	0
1978	5	*	*	-	5
1979	5	*	10	-	15
1980	5	*	5	-	10
1981	10	35	*	-	45
1982	-	15	15	-	30
1983	5	10	-	-	15
1984	*	10	15	-	25
1985	5	-	5	-	10
<b>Total</b>	<b>285</b>	<b>95</b>	<b>65</b>	<b>0</b>	<b>445</b>

\* Less than 5 acres

### Trees, by Year Planted and Density

Year Planted	Trees per Acre				Total
	1-199	200-399	400-999	1,000+	
1,000 Trees					
<1955	2.6	-	-	-	2.6
1955-59	.7	-	-	-	.7
1960-64	1.5	-	-	-	1.5
1965-69	13.8	5.2	-	-	19.0
1970-73	3.4	-	-	-	3.4
1974	.3	-	-	-	.3
1975	-	-	4.3	-	4.3
1976	.7	-	-	-	.7
1977	.3	-	-	-	.3
1978	.8	.1	*	-	.9
1979	.6	.1	4.6	-	5.3
1980	.7	*	3.5	-	4.2
1981	.8	8.0	.5	-	9.3
1982	-	4.2	6.5	-	10.7
1983	.2	3.2	-	-	3.4
1984	.2	2.2	7.5	-	9.9
1985	.5	-	2.3	-	2.8
<b>Total</b>	<b>27.1</b>	<b>23.0</b>	<b>29.2</b>	<b>0</b>	<b>79.3</b>

\* Less than 100 trees.

Washington Fruit Survey, 1986

## Other Counties

### Acres and Trees by Strain/Variety

Variety Strain	Acres	Trees
<b>Red Delicious</b>		
Ace	10	700
Atwood	5	1,400
Bisbee	60	8,300
Earlistripe	10	1,900
Hi-Early	30	4,100
Oregonspur	100	18,900
Redchief	55	9,600
Redspur	15	2,800
Ryan, Ryanred	85	18,100
Ryanspur	5	600
Starking	35	4,900
Topred	75	12,200
Wellspur	15	1,800
Other Strains	265	50,500
Unknown Strains	35	3,900
<b>Total Red Delicious</b>	<b>800</b>	<b>139,700</b>
<b>Golden Delicious</b>	<b>230</b>	<b>32,700</b>
Granny Smith	20	5,700
Rome Beauty	55	6,700
Winesap	5	400
Other Varieties	130	32,200
Unknown Varieties	5	1,600
<b>Total Non-Red Delicious</b>	<b>445</b>	<b>79,300</b>
<b>All Apples</b>	<b>1,245</b>	<b>219,000</b>